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## NCKX4 Polyclonal Antibody

| pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for  |                    |  |
|---|--------------------|--|
| Reactivity Human; Mouse; Rat  | Catalog No         | YP-Ab-16480  |
| Applications WB;ELISA  Gene Name SLC24A4  Protein Name Sodium/potassium/calcium exchanger 4  Immunogen The antiserum was produced against synthesized peptide derived from human SLC24A4. AA range:328-377  Specificity NCKX4 Polyclonal Antibody detects endogenous levels of NCKX4 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band 60kD  Cell Pathway Cell membrane; Multi-pass membrane protein . Cytoplasm .  Tissue Specificity Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639). Expressed at lower levels in the stomach and intestine (SC2+4A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MiM:210750]. Hair, eye and skin pigmentation are among the most visible examples of fuman phenotypic variation in the area of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry. with most of the rhuman populations fixed for   | Isotype            | lgG  |
| Gene Name         SLC24A4           Protein Name         Sodium/potassium/calcium exchanger 4           Immunogen         The antiserum was produced against synthesized peptide derived from human SLC24A4. AA range:328-377           Specificity         NCKX4 Polyclonal Antibody detects endogenous levels of NCKX4 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4           Observed Band         60kD           Cell Pathway         Cell membrane; Multi-pass membrane protein . Cytoplasm .           Tissue Specificity         Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed: 12379639). Expressed at lower levels in the stomach and intestine (PubMed: 12379639). Expressed at lower levels in the stomach and intestine (PubMed: 12379639). Expressed at lower levels in the stomach and intestine (PubMed: 12379639). He expressed at lower levels in the ac   | Reactivity         | Human;Mouse;Rat  |
| Protein Name         Sodium/potassium/calcium exchanger 4           Immunogen         The antiserum was produced against synthesized peptide derived from human SLC24A4. AA range:328-377           Specificity         NCKX4 Polyclonal Antibody detects endogenous levels of NCKX4 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Polyclonal, Rabbit,IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4           Observed Band         60kD           Cell Pathway         Cell membrane; Multi-pass membrane protein. Cytoplasm.           Tissue Specificity         Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed: 12379639). Expressed at lower levels in the stomach and intestine (PubMed: 12379639). Expressed at lower levels in the stomach and intestine (PubMed: 12379639). Hali, reye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In   | Applications       | WB;ELISA   |
| Immunogen   | Gene Name          | SLC24A4  |
| SLC24A4. AA range:328-377  Specificity  NCKX4 Polyclonal Antibody detects endogenous levels of NCKX4 protein.  Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Polyclonal, Rabbit, IgG  Purification  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  Concentration  1 mg/ml  Purity  290%  Storage Stability  -20°C/1 year  Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data, function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+), polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MiM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for  | Protein Name       | Sodium/potassium/calcium exchanger 4   |
| Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source  Polyclonal, Rabbit, IgG  Purification  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data. function:Transports 1 Ca(2+) and 1 k(+) in exchange for 4 Na(+). polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals to to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Immunogen          |  |
| Source         Polyclonal, Rabbit, IgG           Purification         The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4           Observed Band         60kD           Cell Pathway         Cell membrane; Multi-pass membrane protein. Cytoplasm.           Tissue Specificity         Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639). Have a preliminary data., function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+), polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation. In the case of skin, individuals to to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European arcestry, with most other human populations fixed for   | Specificity        | NCKX4 Polyclonal Antibody detects endogenous levels of NCKX4 protein.  |
| Purification  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution: The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data. function: Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+). polymorphism: Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MiM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| affinity-chromatography using epitope-specific immunogen.  Dilution  Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12479639). In Succeeding the second protein in Succeedin | Source             | Polyclonal, Rabbit,IgG   |
| applications.  Concentration  1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band 60kD  Cell Pathway Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data., function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+)., polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry. with most other human populations fixed for   | Purification       | ·  |
| Purity ≥90%  Storage Stability -20°C/1 year  Synonyms SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band 60kD  Cell Pathway Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Dilution           |  |
| Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Concentration      | 1 mg/ml  |
| Synonyms  SLC24A4; NCKX4; Sodium/potassium/calcium exchanger 4; Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  60kD  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Purity             | ≥90%   |
| Na(+)/K(+)/Ca(2+)-exchange protein 4; Solute carrier family 24 member 4  Observed Band  Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution: The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data., function: Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+)., polymorphism: Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for  | Storage Stability  | -20°C/1 year   |
| Cell Pathway  Cell membrane; Multi-pass membrane protein. Cytoplasm.  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals tent to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for  | Synonyms           | ·  |
| Tissue Specificity  Expressed abundantly in all regions of the brain, aorta, lung and thymus (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution: The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data., function: Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+)., polymorphism: Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals tento have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for   | Observed Band      | 60kD   |
| (PubMed:12379639). Expressed at lower levels in the stomach and intestine (PubMed:12379639).  Function  caution:The sequence shown here is derived from an Ensembl automatic analys pipeline and should be considered as preliminary data.,function:Transports 1 Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals ten to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for  | Cell Pathway       | Cell membrane ; Multi-pass membrane protein . Cytoplasm .  |
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| exchanger family. SLC24A subfamily.,tissue specifici  | Function           | Ca(2+) and 1 K(+) in exchange for 4 Na(+).,polymorphism:Genetic variations in SLC24A4 are associated with skin/hair/eye pigmentation type 6 (SHEP6) [MIM:210750]. Hair, eye and skin pigmentation are among the most visible examples of human phenotypic variation, with a broad normal range that is subject to substantial geographic stratification. In the case of skin, individuals tend to have lighter pigmentation with increasing distance from the equator. By contrast, the majority of variation in human eye and hair color is found among individuals of European ancestry, with most other human populations fixed for brown eyes and black hair.,similarity:Belongs to the sodium/potassium/calcium |



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| Background                | This gene encodes a member of the potassium-dependent sodium/calcium exchanger protein family. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010], |
|---------------------------|---|
| matters needing attention | Avoid repeated freezing and thawing!  |
| Usage suggestions         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.   |

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