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## Synaptotagmin XIII Polyclonal Antibody

synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two		
Reactivity Human; Mouse; Rat  Applications WB; ELISA  Gene Name SYT13  Protein Name Synaptotagmin-13  Immunogen The antiserum was produced against synthesized peptide derived from human SYT13. AA range: 321-370  Specificity Synaptotagmin XIII Polyclonal Antibody detects endogenous levels of Synaptotagmin XIII 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: 1/10000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20*C/1 year  Synonyms SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII  Observed Band 48kD  Cell Pathway Membrane; Single-pass membrane protein.  Tissue Specificity Expressed in brain, pancreas and kidney.  Function domain: The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipids regardless of whether calcium is present, function what be in volved in transport vesicle docking to the plasma membrane, similarity-Belongs to the synaptotagmin family, similarity-Contains 2 C2 domains, subunit: heracts with NRXN1*, lissue specificity: Expressed in brain, pancreas and kidney.  Background synaptotagmin 13(SY13) Homo saplens This gene encodes a member of the large synaptotagmin (22A and C2B). Synaptotogmin family members have an extracellular properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Catalog No	YP-Ab-00745
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Gene Name         SYT13           Protein Name         Synaptotagmin-13           Immunogen         The antiserum was produced against synthesized peptide derived from human SYT13. AA range:321-370           Specificity         Synaptotagmin XIII Polyclonal Antibody detects endogenous levels of Synaptotagmin XIII 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: 1/10000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII           Observed Band         48kD           Cell Pathway         Membrane; Single-pass membrane protein           Function         domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding, domain:The second C2 domainC2B domain binds phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membrane, similarly:Belongs to the synaptotagmin family, similarity:Contains 2 C2 domains, subunit:Interacts with NRXN1, tissue specificity:Expressed in brain, pancreas and kidney.     <	Reactivity	Human;Mouse;Rat
Protein Name         Synaptotagmin-13           Immunogen         The antiserum was produced against synthesized peptide derived from human SYT13. AA range:321-370           Specificity         Synaptotagmin XIII Polyclonal Antibody detects endogenous levels of Synaptotagmin XIII 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: 1/10000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII           Observed Band         48kD           Cell Pathway         Membrane; Single-pass membrane protein.           Function         domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding, domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membrane, similarly:Belongs to the synaptotagmin family, similarity:Contains 2 C2 domains, subunit:Interacts with NRXN1, tissue specificity:Expressed in brain, pancreas and kidney.           Background         synaptotagmin	Applications	WB;ELISA
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SyT13. AA range:321-370  Specificity Synaptotagmin XIII Polyclonal Antibody detects endogenous levels of Synaptotagmin XIII 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: 1/10000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity 290% Storage Stability -20°C/1 year Synonyms SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII  Observed Band 48kD  Cell Pathway Membrane; Single-pass membrane protein.  Tissue Specificity Expressed in brain, pancreas and kidney.  Function domain: The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipids inding, domain: The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present, function: May be involved in transport vesicle docking to the plasma membrane, similarity: Belongs to the synaptotagmin family, similarity: Contains 2 C2 domains, subunit: Interacts with NRXN1, itssue specificity: Expressed in brain, pancreas and kidney.  Background synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of tharge synaptotagminin protein family. Family members have an extracellular regressional profess, and patterns of tissue distribution. Synaptotagmins Tucton on Synaptotagmins Tucton in Synaptotagmins. Two	Protein Name	Synaptotagmin-13
Sýnaptotagmin XIII protein.  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: 1/10000. Not yet tested in other applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII  Observed Band 48kD  Cell Pathway Membrane; Single-pass membrane protein.  Tissue Specificity Expressed in brain, pancreas and kidney.  Function domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membranesimilarity:Belongs to the synaptotagmin maily, similarity:Contains, 2 C2 domains, subunit:Interacts with NRXN1tissue specificity:Expressed in brain, pancreas and kidney.  Background synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-an heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins. Twentom as membrane traffickers in trafficers in trafficers or dissue distribution. Synaptotagmins. Twentom as membrane traffickers in trafficers or dissue distribution.	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: 1/10000. Not yet tested in other applications.           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII           Observed Band         48kD           Cell Pathway         Membrane; Single-pass membrane protein.           Tissue Specificity         Expressed in brain, pancreas and kidney.           Function         domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membrane, similarity:Belongs to the synaptotagmin family, similarity:Contains 2 C2 domains, subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.           Background         synaptotagmin 13(SYT13) Homo sapiens         This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-an heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagminis function as membrane trafficke	Specificity	Synaptotagmin XIII Polyclonal Antibody detects endogenous levels of Synaptotagmin XIII protein.
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applications.  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII  Observed Band 48kD  Cell Pathway Membrane; Single-pass membrane protein.  Tissue Specificity Expressed in brain, pancreas and kidney.  Function domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding, domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membrane, similarity:Belongs to the synaptotagmin family, similarity:Contains 2 C2 domains, subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.  Background synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin from family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotagmin family members can form homo- an heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Purification	
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Storage Stability  -20°C/1 year  Synonyms  SYT13; KIAA1427; Synaptotagmin-13; Synaptotagmin XIII; SytXIII  Observed Band  48kD  Cell Pathway  Membrane; Single-pass membrane protein.  Expressed in brain, pancreas and kidney.  Function  domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding.,domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present, function:May be involved in transport vesicle docking to the plasma membrane.,similarity:Belongs to the synaptotagmin family, similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  synaptotagmin 13(SYT13) Homo sapiens Inis gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-anheteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Concentration	1 mg/ml
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Cell Pathway  Membrane; Single-pass membrane protein.  Tissue Specificity  Expressed in brain, pancreas and kidney.  Function  domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding, domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present.,function:May be involved in transport vesicle docking to the plasma membrane.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-an heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Storage Stability	-20°C/1 year
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Tissue Specificity  Expressed in brain, pancreas and kidney.  domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding.,domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present.,function:May be involved in transport vesicle docking to the plasma membrane.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Observed Band	48kD
domain:The first C2 domain/C2A does not mediate Ca(2+)-dependent phospholipid binding.,domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present.,function:May be involved in transport vesicle docking to the plasma membrane.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  synaptotagmin 13(SYT13) Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo- and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Cell Pathway	Membrane ; Single-pass membrane protein .
phospholipid binding.,domain:The second C2 domain/C2B domain binds phospholipids regardless of whether calcium is present.,function:May be involved in transport vesicle docking to the plasma membrane.,similarity:Belongs to the synaptotagmin family.,similarity:Contains 2 C2 domains.,subunit:Interacts with NRXN1.,tissue specificity:Expressed in brain, pancreas and kidney.,  **Synaptotagmin 13(SYT13)** Homo sapiens This gene encodes a member of the large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tander C2 domains (C2A and C2B). Synaptotogmin family members can form homo-and heteromeric complexes with each other. They also have different biochemical properties and developmental profiles, and patterns of tissue distribution. Synaptotagmins function as membrane traffickers in multicellular organisms. Two	Tissue Specificity	Expressed in brain, pancreas and kidney.
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	Background	large synaptotagmin protein family. Family members have an extracellular N-terminal transmembrane domain and a cytoplasmic C terminus with two tandem C2 domains (C2A and C2B). Synaptotogmin family members can form homo- and heteromeric complexes with each other. They also have different biochemical



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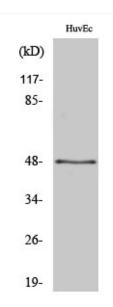


been described for this gene. [provided by RefSeq, Oct 2011],

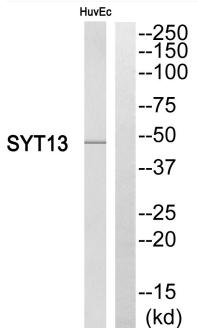


This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using Synaptotagmin XIII Polyclonal Antibody



Western blot analysis of SYT13 Antibody. The lane on the right is blocked with the SYT13 peptide.