



KCNK4 (TRAAK) Polyclonal Antibody

Catalog No	YP-Ab-16316
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	IHC;IF
Gene Name	KCNK4
Immunogen	Synthetic Peptide of KCNK4 (TRAAK) AA range: 38-88
Specificity	KCNK4(TRAAK) protein(A238) detects endogenous levels of KCNK4(TRAAK)
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 specific immunogen.
Dilution	IHC 1:100-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	K2p4.1;K2P4.1 potassium channel;KCNK 4;MGC144821;Potassium channel subfamily K member 4;Potassium inwardly rectifying channel subfamily K member 4;TRAAK;TRAAK1;TRAAKt;TWIK related arachidonic acid stimulated potassium channel protein;Two pore K(+) channel KT4.1;Two pore K+ channel KT4.1;Two pore potassium channel KT4.1;KCNK4;Potassium channel subfamily K member 4 (TWIK-related arachidonic acid-stimulated potassium channel protein) (TRAAK) (Two pore potassium channel KT4.1) (Two pore K(+) channel KT4.1);TWIK-related arachidonic acid-stimulated potassium channel protein
Observed Band	43kD
Calculated Molecular Weight	43kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Brain,Frontal cortex,
Function	function:Voltage insensitive, instantaneous, outwardly rectifying potassium channel. Outward rectification is reversed at high external K(+) concentrations., similarity:Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.,subunit:Homodimer .,



Background

This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GenID: 106780802. [provided by RefSeq, Nov 2015],

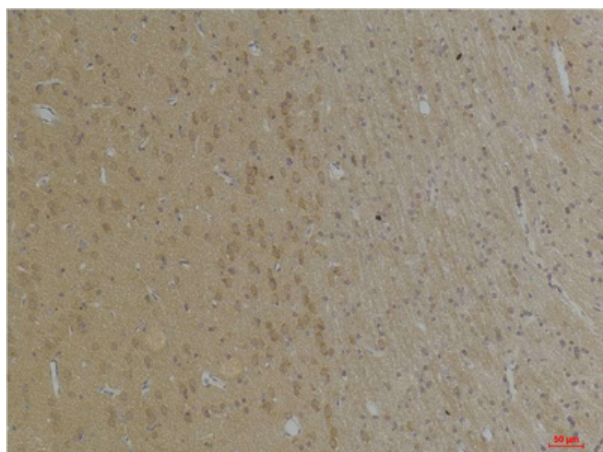
matters needing attention

Avoid repeated freezing and thawing!

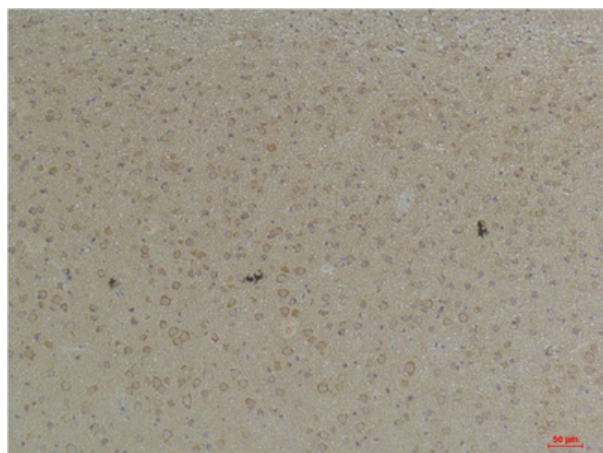
Usage suggestions

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

Products Images



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using KCNK4 (TRAAK) Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using KCNK4 (TRAAK) Rabbit pAb diluted at 1:200.