

KCNK4 (TRAAK) Polyclonal Antibody

Catalog No :	YN5542
Reactivity :	Human;Rat;Mouse
Applications :	IHC;IF
Target :	KCNK4
Gene Name :	KCNK4
Protein Name :	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)
Human Gene Id :	50801
Human Swiss Prot No :	Q9NYG8
Mouse Swiss Prot No :	O88454
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
Dilution :	IHC 1:100-200. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	43kD

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 GeneID: 106780802. [provided by RefSeq, Nov 2015],

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 .,

Subcellular Location :

Cell membrane ; Multi-pass membrane protein .

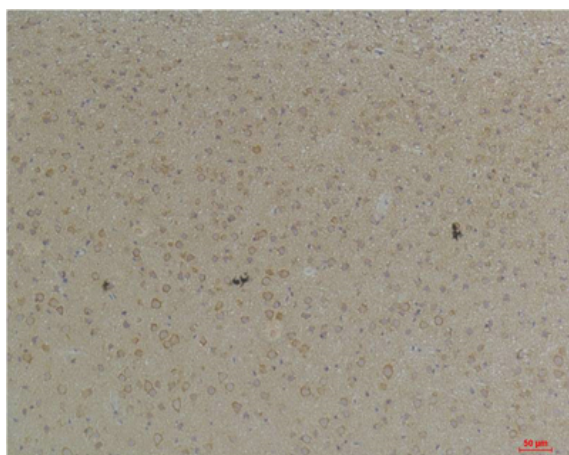
Expression :

Brain,Frontal cortex,

Products Images



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



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