

TRAAK Polyclonal Antibody

Catalog No :	YT4714
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	KCNK4
Gene Name :	KCNK4
Protein Name :	Potassium channel subfamily K member 4
Human Gene Id :	50801
Human Swiss Prot No :	Q9NYG8
Mouse Gene Id :	16528
Mouse Swiss Prot No :	O88454
Immunogen :	The antiserum was produced against synthesized peptide derived from human KCNK4. AA range:332-381
Specificity :	TRAAK Polyclonal Antibody detects endogenous levels of TRAAK protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
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 : 45kD

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],

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 .,

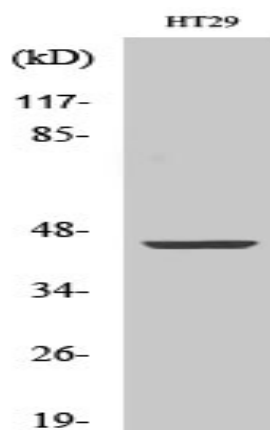
Subcellular Location :

Cell membrane ; Multi-pass membrane protein .

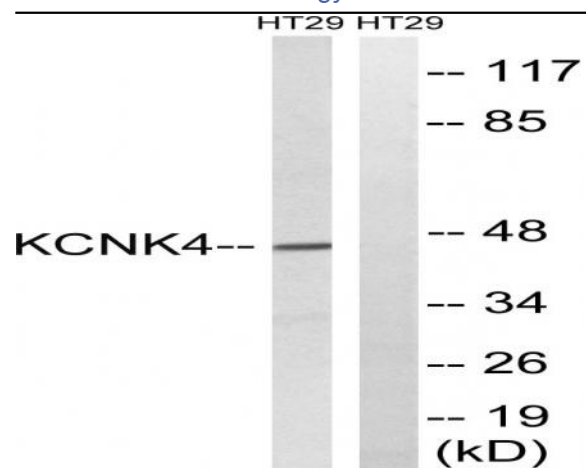
Expression :

Brain,Frontal cortex,

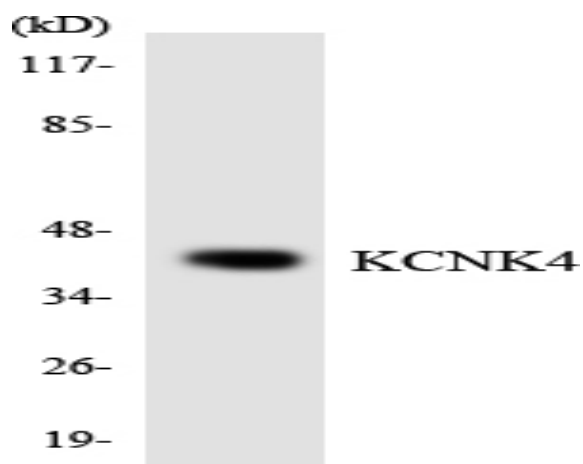
Products Images



Western Blot analysis of various cells using TRAAK Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from HT-29 cells, using KCNK4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using KCNK4 antibody.