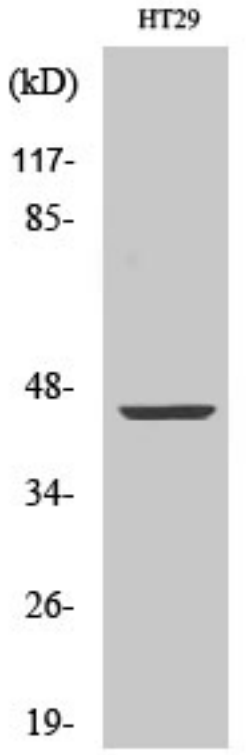
TRAAK Polyclonal Antibody

Catalog No	BYab-16504
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	KCNK4
Protein Name	Potassium channel subfamily K member 4
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
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	KCNK4; TRAAK; 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
Observed Band	45kD
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 GeneID: 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.

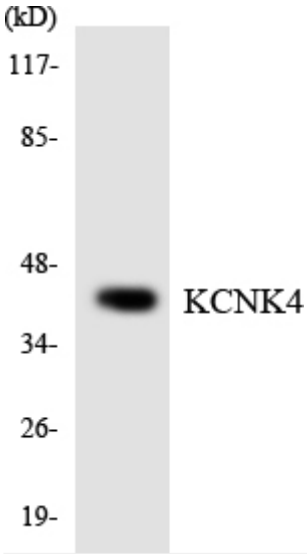
Products Images



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.

KCNK4--



Western blot analysis of the lysates from HUVECcells using KCNK4 antibody.