Product Name: **TRAAK Rabbit Polyclonal Antibody**
Catalog #: **APRab19176**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	45kDa

Antigen Information

Gene Name	KCNK4
Alternative Names	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
Gene ID	50801.0
SwissProt ID	Q9NYG8
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNK4. AA range:332-381

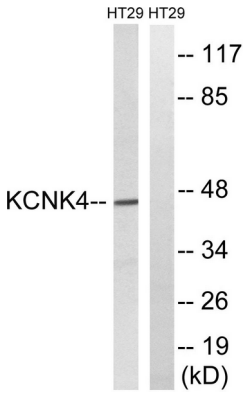
Background

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: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 .,

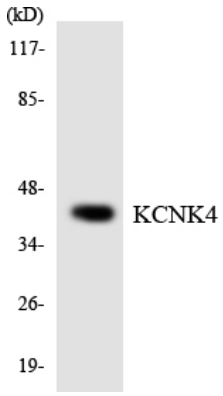
Research Area

Cell Biology; Apoptosis; Intracellular; Associated Proteins; Signal Transduction; Adapters; Cytoplasmic; Signaling Pathway; Nuclear Signaling; NFkB Pathway; Growth Factors/Hormones; TNF; Cancer; Growth factors; Cardiovascular; Atherosclerosis; Vascular Inflammation; Inflammatory mediators

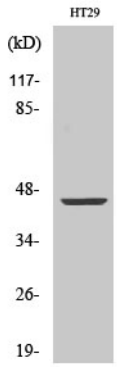
Image Data



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 HUVECcells using KCNK4 antibody.



Western Blot analysis of various cells using TRAAK Polyclonal Antibody. Secondary antibody was diluted at 1:20000