

Rabbit KCNK1 Polyclonal Antibody | anti-KCNK1 antibody

KCNK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40611	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

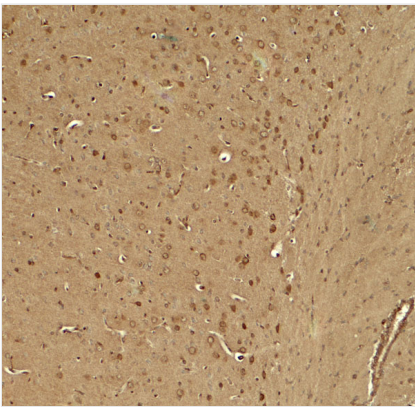
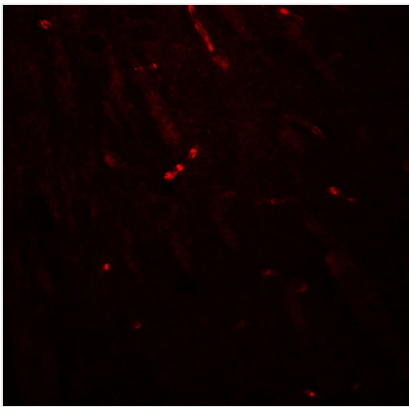
PRODUCT SYNONYMS

KCNK1; Polyclonal Antibody; KCNK1 Antibody; Potassium channel subfamily K member 1; DPK; HOHO; K2P1; K2p1.1; KCNO1; TWIK-1; TWIK1; potassium channel; subfamily K; member 1; anti-KCNK1 antibody

PRODUCT SPECIFICATIONS

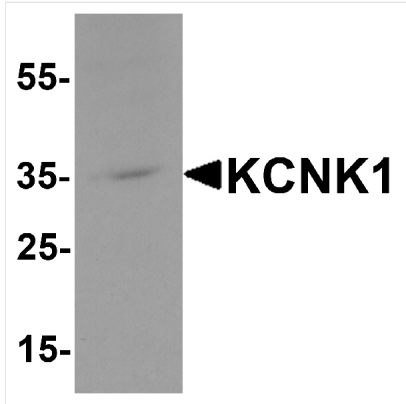
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNK1 antibody is human, mouse and rat reactive. KCNK1 antibody is predicted to not cross-react with other KCNK proteins.
Purity/Purification	KCNK1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	336
Applicable Applications for anti-KCNK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KCNK1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human KCNK1.
Buffer	KCNK1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	KCNK1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of KCNK1 in mouse brain tissue with KCNK1 antibody at 20 μg/ml.

IHC (Immunohiostchemistry)
Immunohistochemistry of KCNK1 in mouse brain tissue with KCNK1 antibody at 5 μg/ml.



WB (Western Blot)
Western blot analysis of KCNK1 in 3T3 cell lysate with KCNK1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNK1 antibody

The potassium channel, subfamily K, member 1 (KCNK1), is member of the superfamily of potassium channel proteins containing two pore-forming P domains (1,2). KCNK1 is a ubiquitous human weakly inward rectifying K⁺ channel that is widely expressed in human tissues, and particularly abundant in brain and heart (1). Both KCNK1 and the related protein KCNK2 contribute significantly to the passive conductance of hippocampal astrocytes (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504847
NCBI GeneID	3775
NCBI Accession #	NP_002236
NCBI GenBank Nucleotide #	NM_002245.3
UniProt Accession #	O00180; Q13307; Q5T5E8
Molecular Weight	Predicted: 37 kDa Observed: 35 kDa
NCBI Official Full Name	potassium channel subfamily K member 1
NCBI Official Synonym Full Names	potassium channel, two pore domain subfamily K, member 1
NCBI Official Symbol	KCNK1

NCBI Official Synonym Symbols	DPK; HOHO; K2P1; KCNO1; TWIK1; K2p1.1; TWIK-1
NCBI Protein Information	potassium channel subfamily K member 1; potassium channel KCNO1; inward rectifying potassium channel protein TWIK-1; potassium inwardly-rectifying channel, subfamily K, member 1; tandem of P domains in a weak inward rectifying K+ channel 1
UniProt Protein Name	Potassium channel subfamily K member 1
UniProt Gene Name	KCNK1
UniProt Synonym Gene Names	HOHO1; KCNO1; TWIK1
UniProt Entry Name	KCNK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kcnk1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40611>