

Rabbit KCNK13 Polyclonal Antibody | anti-KCNK13 antibody

KCNK13 Antibody

CATALOG # AAA39703	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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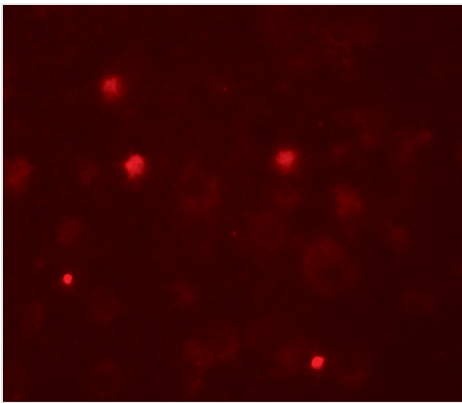
PRODUCT SYNONYMS

KCNK13; Polyclonal Antibody; KCNK13 Antibody; THIK1; THIK-1; K2p13.1; Potassium channel subfamily K member 13; Tandem pore domain halothane-inhibited potassium channel 1; potassium channel; subfamily K; member 13; anti-KCNK13 antibody

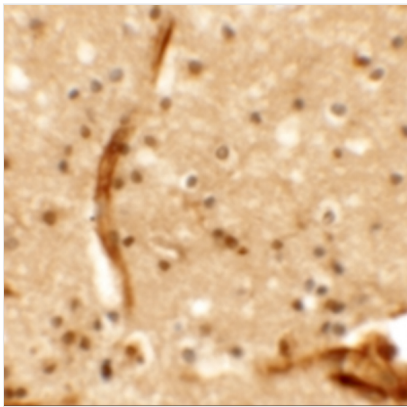
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	KCNK13 antibody is predicted to not cross-react with other KCNK protein family members.
Purity/Purification	KCNK13 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	408
Applicable Applications for anti-KCNK13 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	KCNK13 antibody was raised against a 15 amino acid synthetic peptide near the center of human KCNK13.
Buffer	KCNK13 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	KCNK13 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

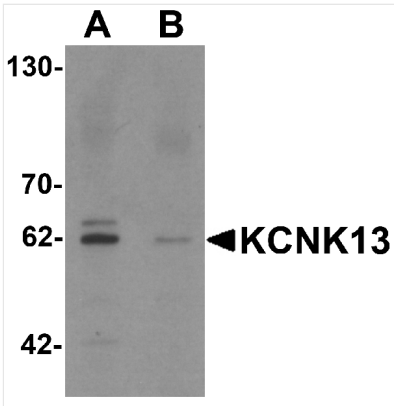
IMAGES



IF (Immunofluorescence)
Immunofluorescence of KCNK13 in human brain tissue with KCNK13 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of KCNK13 in human brain tissue with KCNK13 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of KCNK13 in rat brain tissue lysate with KCNK13 antibody at 0.5 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-KCNK13 antibody

KCNK13 Antibody: The closely related proteins KCNK13 and KCNK12 (also known as THIK1 and 2) are the first two members of a novel two pore-forming P domains K⁺ channels subfamily. The pore loop domain, a highly conserved region common to all potassium channels, is involved in determining potassium ion selectivity. Members of this family are all characterized by four transmembrane domains and may function to help influence the resting membrane potential of cells. KCNK13 is expressed mainly in the brain, but is also observed in kidneys. KCNK13 has been suggested to be a candidate for the Cs⁺-permeable K⁺ channel activated by GABA(B) receptors.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306555
NCBI GeneID	56659
NCBI Accession #	NP_071337
NCBI GenBank Nucleotide #	NM_022054.3
UniProt Accession #	Q9HB14; Q96E79; B5TJL8
Molecular Weight	45,391 Da
NCBI Official Full Name	potassium channel subfamily K member 13
NCBI Official Synonym Full Names	potassium channel, two pore domain subfamily K, member 13

NCBI Official Symbol	KCNK13
NCBI Official Synonym Symbols	THIK1; THIK-1; K2p13.1
NCBI Protein Information	potassium channel subfamily K member 13; K2P13.1 potassium channel; potassium channel, subfamily K, member 13; tandem pore domain potassium channel THIK-1; tandem pore domain halothane-inhibited potassium channel 1
UniProt Protein Name	Potassium channel subfamily K member 13
UniProt Gene Name	KCNK13
UniProt Synonym Gene Names	THIK-1
UniProt Entry Name	KCNKD_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/kcnk13-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39703>