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anti-KCNK13 antibody (Middle Region)

2 Images



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Quantity:	0.1 mg
Target:	KCNK13
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid synthetic peptide near the center of Human KCNK13
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	KCNK13
Alternative Name:	KCNK13 (KCNK13 Products)
Background:	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. Synonyms: KCNK13, Potassium channel subfamily K member 13, THIK-1, Tandem pore domain halothane-inhibited potassium channel 1

Gene ID:

56659

NCBI Accession:

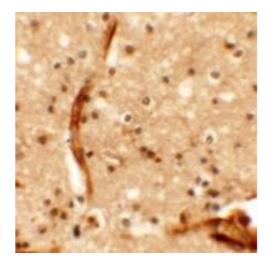
NP_071337

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

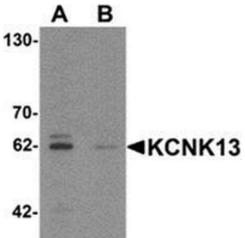
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of KCNK13 in human brain tissue with KCNK13 antibody at 5 ug/mL.



Western Blotting

Image 2. Western blot analysis of KCNK13 in rat brain tissue lysate with KCNK13 Antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.