

## Product datasheet for **TA319967**

### KCNK13 Rabbit Polyclonal Antibody

#### Product data:

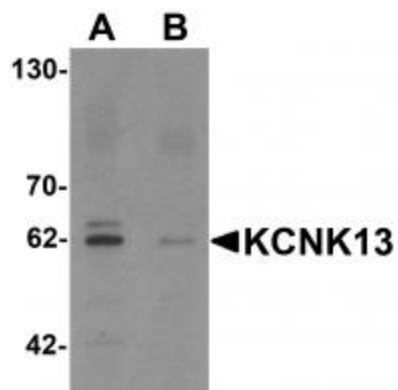
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	KCNK13 antibody was raised against a 15 amino acid synthetic peptide near the center of human KCNK13.
Formulation:	KCNK13 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	KCNK13 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	potassium two pore domain channel subfamily K member 13
Database Link:	<a href="#">NP_071337</a> <a href="#">Entrez Gene 64120 Rat</a> <a href="#">Entrez Gene 217826 Mouse</a> <a href="#">Entrez Gene 56659 Human</a> <a href="#">Q9HB14</a>
Background:	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 <sup>+</sup> 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 <sup>+</sup> -permeable K <sup>+</sup> channel activated by GABA(B) receptors.
Synonyms:	K2p13.1; THIK-1; THIK1



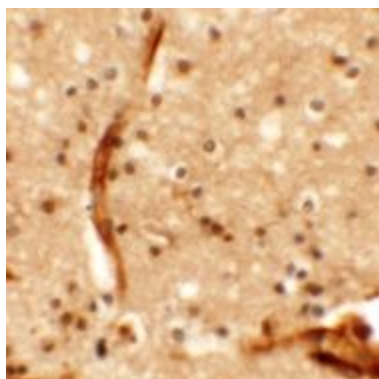
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Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

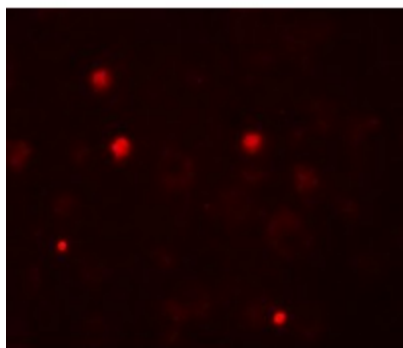
### Product images:



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.



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



Immunofluorescence of KCNK13 in human brain tissue with KCNK13 antibody at 20 ug/mL.