

KCNK4 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10827**Specification**

KCNK4 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9NYG8
Other Accession	NM_033310 , NP_201567
Reactivity	Human, Rat, Pig, Horse, Bovine, Dog
Predicted	Human, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

KCNK4 antibody - N-terminal region - Additional Information**Gene ID** 50801**Alias Symbol** K2p4.1, TRAAK, TRAAK1**Other Names**

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, KCNK4, TRAAK

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-KCNK4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

KCNK4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

KCNK4 antibody - N-terminal region - Protein Information**Name** KCNK4**Synonyms** TRAAK**Function**

Voltage-insensitive potassium channel (PubMed:[22282805](http://www.uniprot.org/citations/22282805)). Channel opening is triggered by mechanical forces that deform the membrane (PubMed:[22282805](http://www.uniprot.org/citations/22282805)), PubMed:[25471887](http://www.uniprot.org/citations/25471887), PubMed:[25471887](http://www.uniprot.org/citations/25471887), PubMed:[25471887](http://www.uniprot.org/citations/25471887)

href="http://www.uniprot.org/citations/25500157" target="_blank">25500157, PubMed:30290154). Channel opening is triggered by raising the intracellular pH to basic levels (By similarity). The channel is inactive at 24 degrees Celsius (in vitro); raising the temperature to 37 degrees Celsius increases the frequency of channel opening, with a further increase in channel activity when the temperature is raised to 42 degrees Celsius (By similarity). Plays a role in the perception of pain caused by heat (By similarity). Plays a role in the sensory perception of pain caused by pressure (By similarity).

Cellular Location

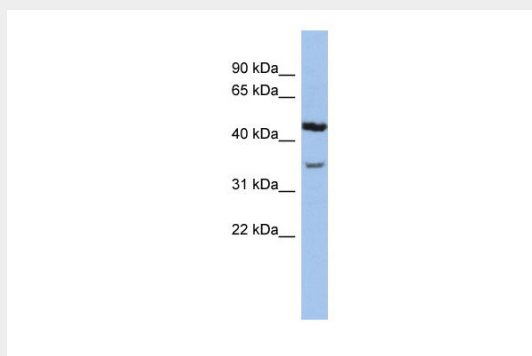
Cell membrane; Multi-pass membrane protein

KCNK4 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNK4 antibody - N-terminal region - Images



WB Suggested Anti-KCNK4 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: Jurkat cell lysate

KCNK4 antibody - N-terminal region - References

Mehrle, A., Nucleic Acids Res. 34 (DATABASE ISSUE), D415-D418 (2006) Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. Publications: Bogdan, R. et al. 5-HTTLPR genotype and gender, but not chronic fluoxetine administration, are associated with cortical TREK1 protein expression in rhesus macaques. Neurosci. Lett. 503, 83-6 (2011). WB, Bovine, Dog, Pig, Human, H, Rat, Guinea pig 21871532