

**KCNK4 (TRAAK) Polyclonal Antibody**  
**Catalog # AP63688****Specification****KCNK4 (TRAAK) Polyclonal Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">Q9NYG8</a>
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal

**KCNK4 (TRAAK) Polyclonal Antibody - Additional Information****Gene ID** 50801**Other Names**

KCNK4; TRAAK; 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

**Dilution**

IHC~~IHC 1:100-200

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**KCNK4 (TRAAK) Polyclonal Antibody - Protein Information****Name** KCNK4**Synonyms** TRAAK**Function**

Voltage-insensitive potassium channel (PubMed:<a href="http://www.uniprot.org/citations/22282805" target="\_blank">22282805</a>). Channel opening is triggered by mechanical forces that deform the membrane (PubMed:<a href="http://www.uniprot.org/citations/22282805" target="\_blank">22282805</a>, PubMed:<a href="http://www.uniprot.org/citations/25471887" target="\_blank">25471887</a>, PubMed:<a href="http://www.uniprot.org/citations/25500157" target="\_blank">25500157</a>, PubMed:<a href="http://www.uniprot.org/citations/30290154" target="\_blank">30290154</a>). 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).

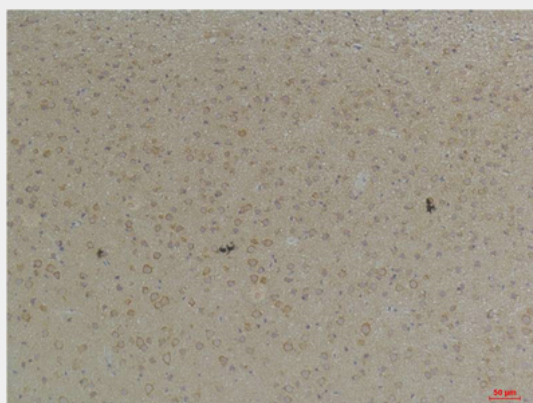
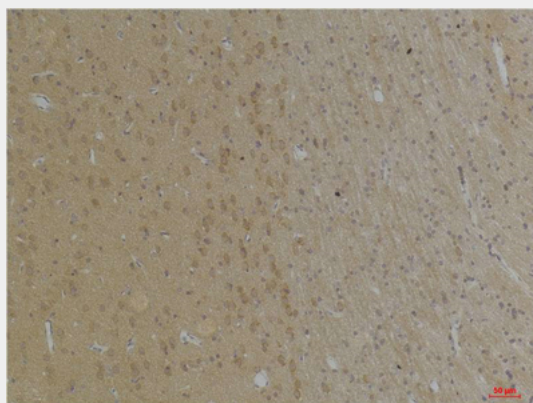
**Cellular Location**

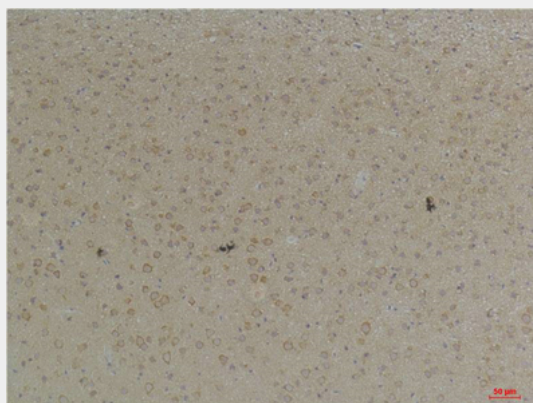
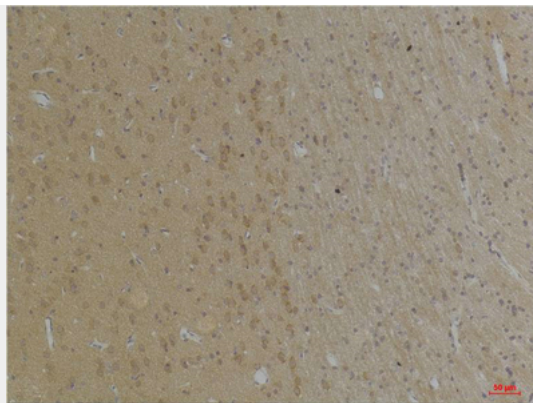
Cell membrane; Multi-pass membrane protein

**KCNK4 (TRAAK) Polyclonal Antibody - 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 (TRAAK) Polyclonal Antibody - Images**



#### **KCNK4 (TRAAK) Polyclonal Antibody - Background**

Voltage-insensitive potassium channel (PubMed:22282805). Channel opening is triggered by mechanical forces that deform the membrane (PubMed:22282805, PubMed:25471887, PubMed:25500157). 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).