

**KCNK7 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP5801b****Specification**

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**KCNK7 Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">O9Y2U2</a>
Other Accession	<a href="#">NP_005705.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31947
Antigen Region	259-288

**KCNK7 Antibody (C-term) - Additional Information****Gene ID** 10089**Other Names**

Potassium channel subfamily K member 7, KCNK7

**Target/Specificity**

This KCNK7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-288 amino acids from the C-terminal region of human KCNK7.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

KCNK7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**KCNK7 Antibody (C-term) - Protein Information****Name** KCNK7

**Function** Probable potassium channel subunit. No channel activity observed in vitro as protein remains in the endoplasmic reticulum. May need to associate with an as yet unknown partner in order to reach the plasma membrane.

**Cellular Location**

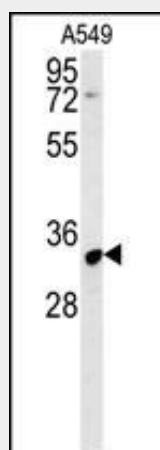
Membrane; Multi-pass membrane protein

**KCNK7 Antibody (C-term) - Protocols**

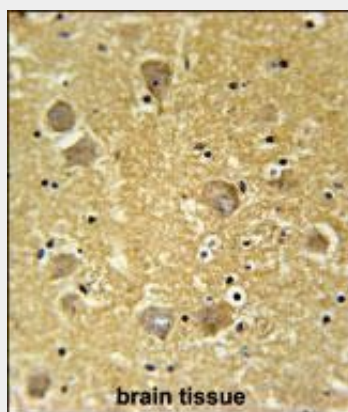
Provided below are standard protocols that you may find useful for product applications.

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

**KCNK7 Antibody (C-term) - Images**

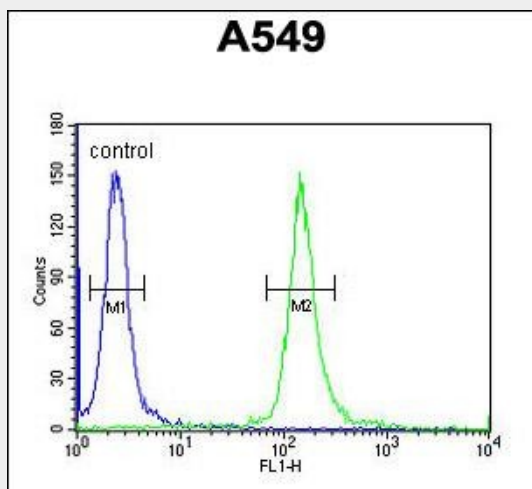


KCNK7 Antibody (C-term) (Cat. #AP5801b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the KCNK7 antibody detected the KCNK7 protein (arrow).



KCNK7 Antibody (C-term) (Cat. #AP5801b) immunohistochemistry analysis in formalin fixed and

paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KCNK7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



KCNK7 Antibody (C-term) (Cat. #AP5801b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **KCNK7 Antibody (C-term) - Background**

KCNK7 is a member of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel; however, it may require other non-pore-forming proteins for activity. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **KCNK7 Antibody (C-term) - References**

Goldstein, S.A., et al. Pharmacol. Rev. 57(4):527-540(2005)  
Goldstein, S.A., et al. Nat. Rev. Neurosci. 2(3):175-184(2001)  
Medhurst, A.D., et al. Brain Res. Mol. Brain Res. 86 (1-2), 101-114 (2001) :  
Salinas, M., et al. J. Biol. Chem. 274(17):11751-11760(1999)