

# KCNK7 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP5801b

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q9Y2U2</a>
<b>Other Accession</b>	<a href="#">NP_005705.1</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB27360
<b>Calculated MW</b>	31947
<b>Antigen Region</b>	259-288

## Additional Information

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<b>Gene ID</b>	10089
<b>Other Names</b>	Potassium channel subfamily K member 7, KCNK7
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	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.
<b>Precautions</b>	KCNK7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KCNK7
<b>Function</b>	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.

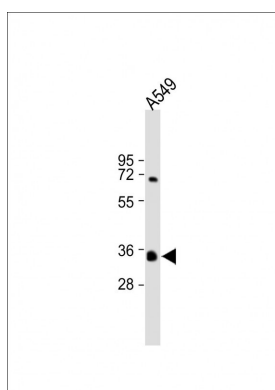
## Background

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.

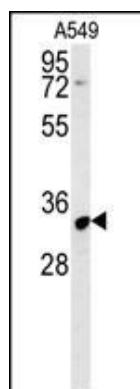
## References

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)

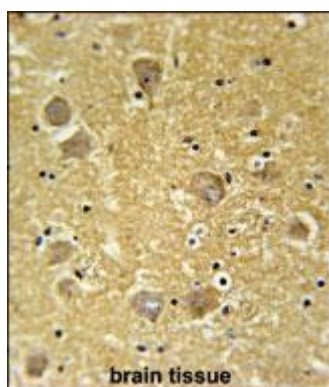
## Images



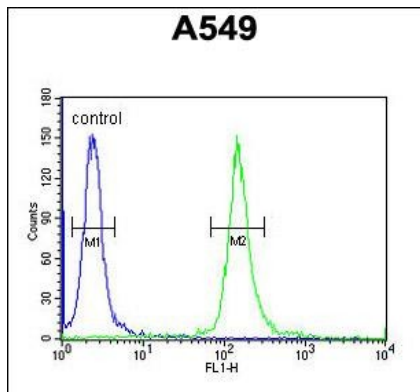
All lanes : Anti-KCNK7 Antibody (C-term) at 1:1000 dilution Lane 1: A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 34kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.