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KCNK12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18207b

Product Information

Application	WB, E
Primary Accession	Q9HB15
Other Accession	NP_071338.1
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30341
Calculated MW	46889
Antigen Region	335-364

Additional Information

Gene ID	56660
Other Names	Potassium channel subfamily K member 12, Tandem pore domain halothane-inhibited potassium channel 2, THIK-2, KCNK12
Target/Specificity	This KCNK12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-364 amino acids from the C-terminal region of human KCNK12.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	KCNK12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KCNK12 {ECO:0000303|PubMed:24163367, ECO:0000312|HGNC:HGNC:6274}
Function	K(+) channel subunit that may homo- and heterodimerize to form functional channels with distinct regulatory and gating properties. Can heterodimerize

	with KCNK13 subunit to conduct K(+) outward rectifying currents at the plasma membrane. The homodimers are mainly retained in the endoplasmic reticulum compartment and may be targeted to the cell surface upon phosphorylation or other activation signals yet to be elucidated.
Cellular Location	Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Background

This gene encodes one of the members 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.

References

Birlea, S.A., et al. J. Invest. Dermatol. 130(3):798-803(2010)
Nyholt, D.R., et al. Hum. Mol. Genet. 17(21):3318-3331(2008)
Theilig, F., et al. Cell. Physiol. Biochem. 21 (1-3), 63-74 (2008) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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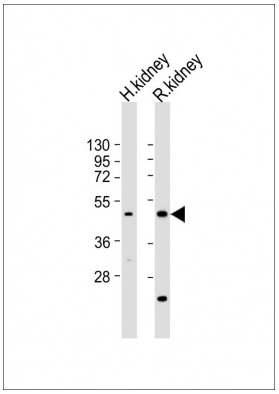
Images



All lanes : Anti-KCNK12 Antibody (C-term) at 1:2000 dilution Lane 1: human kidney lysate Lane 2: rat kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.