

For Research Use Only

KCNJ18 Recombinant antibody

Catalog Number: 84203-5-RR



Basic Information

Catalog Number:	84203-5-RR	GenBank Accession Number:	NM_001194958	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	100134444	CloneNo.:	241381A2
Source:	Rabbit	UNIPROT ID:	B7U540	Recommended Dilutions:	WB 1:5000-1:50000 IHC 1:1000-1:4000 IF-P 1:50-1:500
Isotype:	IgG	Full Name:	similar to hkir2.2x		
Immunogen Catalog Number:	AG34177	Calculated MW:	49 kDa		
		Observed MW:	45 kDa		

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse skin tissue, rat skin tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC: mouse skin tissue,

IF-P: mouse skin tissue,

Background Information

Mutations in KCNJ18 gene encoding an inwardly rectifying potassium channel (Kir2.6) cause thyrotoxic periodic paralysis (TPP) and sporadic, that is, non-familial cases of HypoPP. Mutant Kir2.6 proteins form a heterotetrameric Kir channel complex with Kir2.1 and thereby reduce cell surface expression of the complex. (PMID: 25882930)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

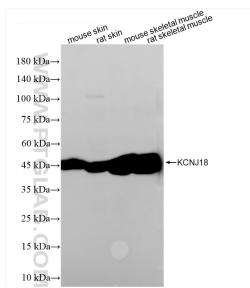
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

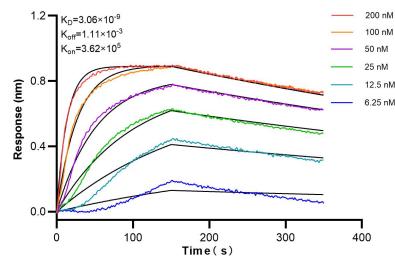
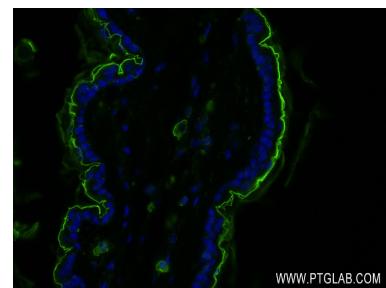
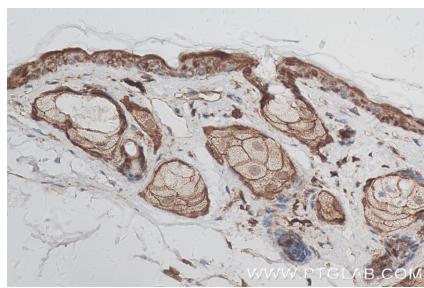
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84203-5-RR (KCNJ18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84203-5-RR against Human KCNJ18 were performed. The affinity constant is below 3.06 nM.