

For Research Use Only

KCNJ18 Recombinant antibody, PBS Only

Catalog Number: 84203-5-PBS



Basic Information

Catalog Number:

84203-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34177

GenBank Accession Number:

NM_001194958

GeneID (NCBI):

100134444

UNIPROT ID:

B7U540

Full Name:

similar to hkir2.2x

Calculated MW:

49 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241381A2

Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

mouse, rat

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 -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

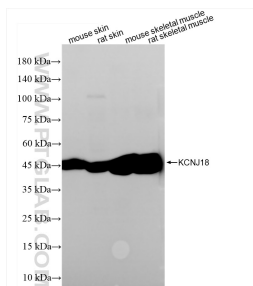
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

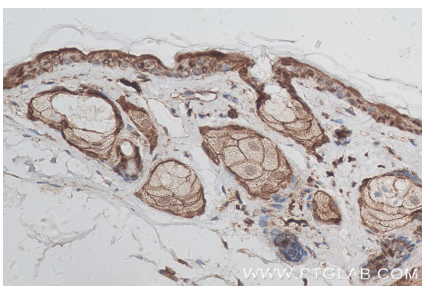
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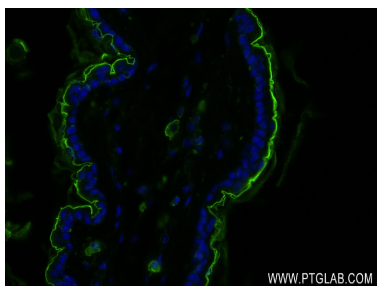
Selected Validation Data



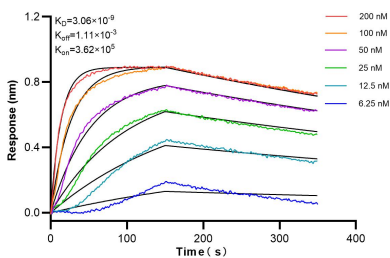
Various lysates were subjected to SDS PAGE followed by western blot with 84203-5-RR (KCNJ18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84203-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 84203-5-RR (KCNJ18 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84203-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse skin tissue using KCNJ18 antibody (84203-5-RR, Clone: 241381A2) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84203-5-PBS in a different storage buffer formulation.



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