

For Research Use Only

KCNB1-Specific Polyclonal antibody

Catalog Number: 19963-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

19963-1-AP

Size:

150ul, Concentration: 560 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004975

GeneID (NCBI):

3745

UNIPROT ID:

Q14721

Full Name:

potassium voltage-gated channel, Shab-related subfamily, member 1

Calculated MW:

96 kDa

Observed MW:

~130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells,

IHC : mouse brain tissue,

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

Background Information

KCNB1, also named as DRK1, KV2.1, and h-DRK1, belongs to the potassium channel family and B (Shab) subfamily. KCNB1 mediates the voltage-dependent potassium ion permeability of excitable membranes. Channels open or close in response to the voltage difference across the membrane, letting potassium ions pass in accordance with their electrochemical gradient. The antibody is specific to KCNB1.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|--------------------|-------------|
| Zhao-Wei Sun | 35119221 | Adv Sci (Weinh) | WB |
| Wenjuan Liu | 25550925 | Int J Clin Exp Med | WB |
| Shuang Liang | 35474714 | Cardiovasc Ther | WB |

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

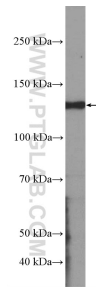
For technical support and original validation data for this product please contact:

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

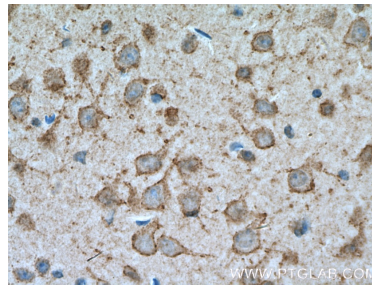
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 19963-1-AP (KCNB1-Specific Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 19963-1-AP (KCNB1-Specific Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).