

For Research Use Only

# KCNB1-Specific Polyclonal antibody



Catalog Number: 19963-1-AP

Featured Product

4 Publications

## Basic Information

**Catalog Number:**

19963-1-AP

**Size:**

560 µg/ml

**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:**

IHC, WB, ELISA

**Cited Applications:**

WB

**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

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

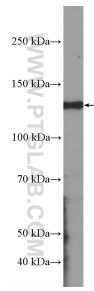
T: 4006900926

E: Proteintech-CN@ptglab.com

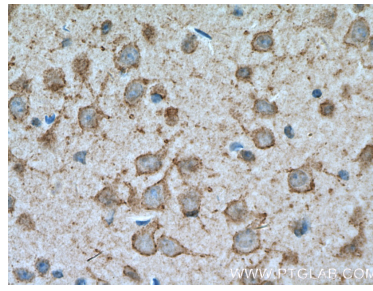
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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).