

For Research Use Only

KCNB1-Specific Polyclonal antibody



Catalog Number: 19963-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number: 19963-1-AP	GenBank Accession Number: NM_004975	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 560 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3745	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: potassium voltage-gated channel, Shab-related subfamily, member 1	
Isotype: IgG	Calculated MW: 96 kDa	
	Observed MW: ~130 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: SH-SY5Y cells,
Species Specificity: human, mouse	IHC: mouse brain tissue,
Cited Species: human, 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

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

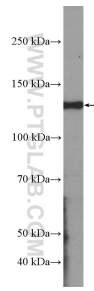
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

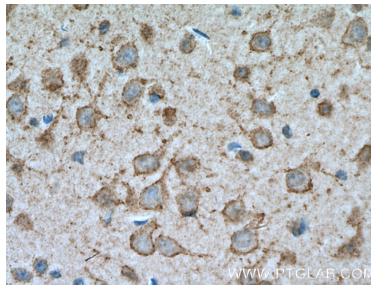
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).