

For Research Use Only

KCNIP4 Monoclonal antibody

Catalog Number: 60133-1-Ig **2 Publications**



Basic Information

Catalog Number: 60133-1-Ig	GenBank Accession Number: BC032520	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 80333	CloneNo.: 5B1D12
Source: Mouse	UNIPROT ID: Q6PIL6	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF-P 1:200-1:800
Isotype: IgG1	Full Name: Kv channel interacting protein 4	
Immunogen Catalog Number: AG4863	Calculated MW: 250 aa, 28 kDa Observed MW: 29 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IF	WB : pig brain tissue, human brain tissue, rat brain tissue
Species Specificity: human, mouse, rat, pig	IHC : human brain tissue,
Cited Species: human, mouse	IF-P : 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

KCNIP4 is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium.

Notable Publications

Author	Pubmed ID	Journal	Application
S Akila Parvathy Dharshini	39574639	bioRxiv	WB,IF
Jia-Qi Ma	39635132	iScience	IF

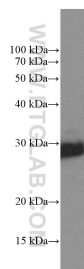
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

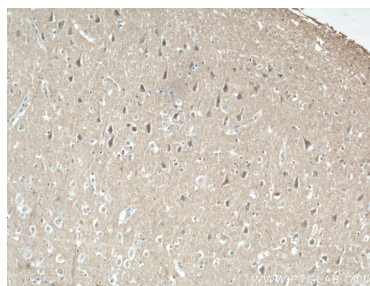
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

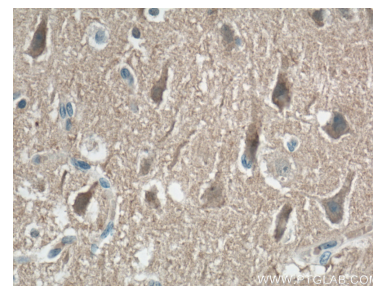
Selected Validation Data



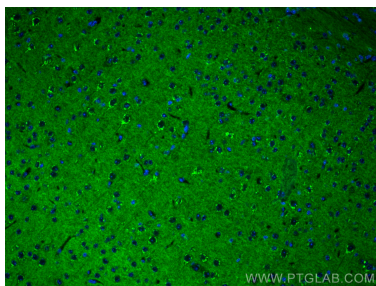
pig brain tissue were subjected to SDS PAGE followed by western blot with 60133-1-Ig (KCNIP4 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



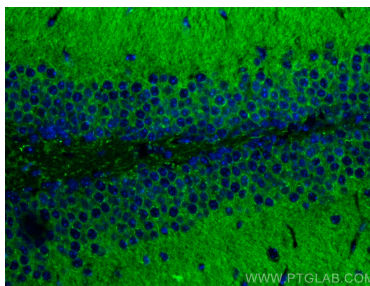
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60133-1-Ig (KCNIP4 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 60133-1-Ig (KCNIP4 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using KCNIP4 antibody (60133-1-Ig, Clone: 5B1D12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using KCNIP4 antibody (60133-1-Ig, Clone: 5B1D12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).