

For Research Use Only

KChIP1 Monoclonal antibody

Catalog Number: 66439-1-Ig



Basic Information

Catalog Number: 66439-1-Ig	GenBank Accession Number: BC050375	Purification Method: Protein G purification
Size: 150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 30820	CloneNo.: 3D6C1
Source: Mouse	Full Name: Kv channel interacting protein 1	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:200-1:800
Isotype: IgG1	Calculated MW: 227 aa, 27 kDa	
Immunogen Catalog Number: AG5494	Observed MW: 25 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

human, mouse

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

Positive Controls:

WB : human cerebellum tissue, fetal human brain tissue, human spleen tissue

IHC : human brain tissue, human heart tissue

IF : mouse brain tissue,

Background Information

Human K(v) channel interacting protein 1 (KCHIP1) is a new member of the neural calcium binding protein 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. KCHIP1 is a neuronal calcium sensor protein that is predominantly expressed at GABAergic synapses and it has been related with modulation of K(+) channels, GABAergic transmission and cell death.

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

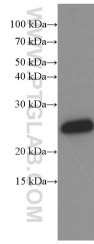
For technical support and original validation data for this product please contact:

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

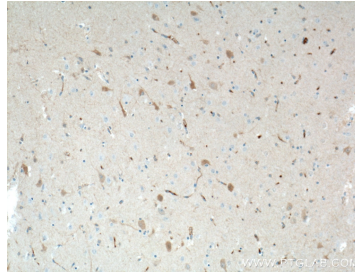
E: proteintech@ptglab.com
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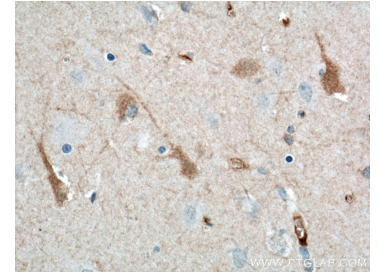
Selected Validation Data



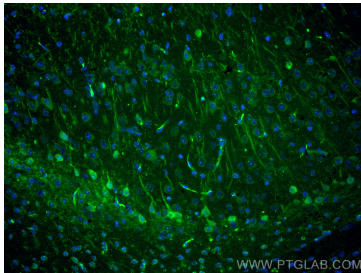
human cerebellum tissue were subjected to SDS PAGE followed by western blot with 66439-1-Ig (KChIP1 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



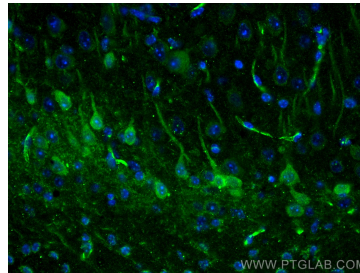
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66439-1-Ig (KChIP1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66439-1-Ig (KChIP1 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 KChIP1 antibody (66439-1-Ig, Clone: 3D6C1) 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 KChIP1 antibody (66439-1-Ig, Clone: 3D6C1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).