

For Research Use Only

# KCHIP1 Monoclonal antibody, PBS Only



Catalog Number: 66439-1-PBS

## Basic Information

<b>Catalog Number:</b> 66439-1-PBS	<b>GenBank Accession Number:</b> BC050375	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 30820	<b>CloneNo.:</b> 3D6C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NZI2	
<b>Isotype:</b> IgG1	<b>Full Name:</b> Kv channel interacting protein 1	
<b>Immunogen Catalog Number:</b> AG5494	<b>Calculated MW:</b> 227 aa, 27 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC, IF

**Species Specificity:**  
human, mouse

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

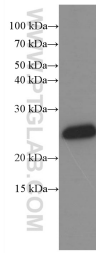
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

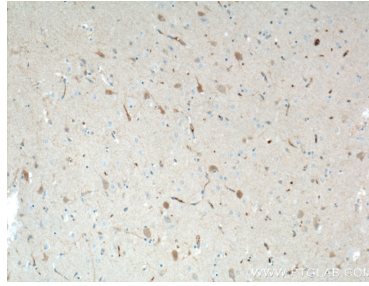
W: [ptgcn.com](http://ptgcn.com)

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

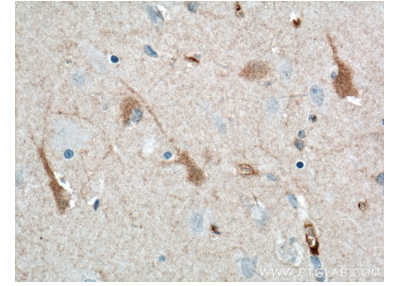
## Selected Validation Data



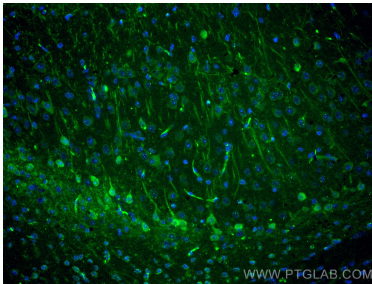
human cerebellum tissue were subjected to SDS PAGE followed by western blot with 66439-1-Ig (KChIP1 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66439-1-PBS in a different storage buffer formulation.



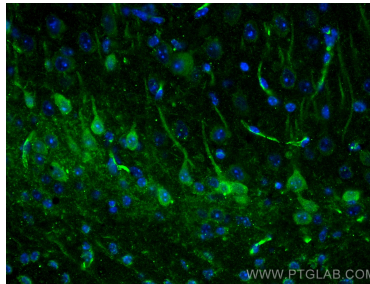
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66439-1-Ig (KChIP1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66439-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66439-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66439-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66439-1-PBS in a different storage buffer formulation.