

For Research Use Only

KCNIP3 Polyclonal antibody, PBS Only

Catalog Number:12032-1-PBS



Basic Information

Catalog Number:

12032-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2665

GenBank Accession Number:

BC012850

GeneID (NCBI):

30818

UNIPROT ID:

Q9Y2W7

Full Name:

Kv channel interacting protein 3, calsenilin

Calculated MW:

256 aa, 29 kDa

Observed MW:

29 kDa, 27 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

KCNIP3 also known as Calsenilin, CSEN, DREAM, or KCHIP3, is a protein-coding gene located on human chromosome 2q11.1. It encodes a small calcium-binding protein belonging to the recoverin branch of the EF-hand superfamily. KCNIP3 is an integral subunit of native Kv4 channel complexes, regulating A-type potassium currents in response to intracellular calcium changes, thereby modulating neuronal excitability. KCNIP3 interacts with presenilin 1 (PSEN1) and presenilin 2 (PSEN2), influencing γ -secretase activity and β -amyloid formation, potentially linking it to Alzheimer's disease pathology.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

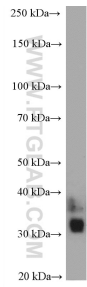
For technical support and original validation data for this product please contact:

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

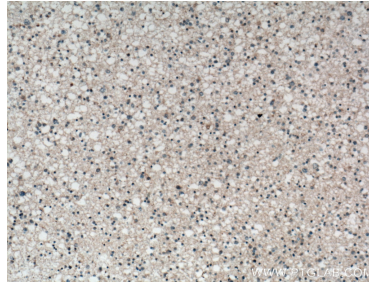
E: proteintech@ptglab.com
W: ptglab.com

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

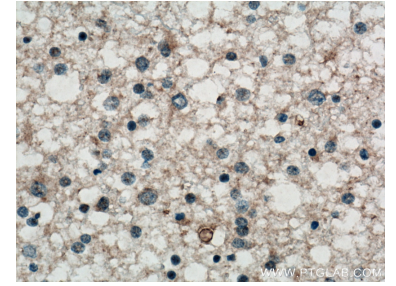
Selected Validation Data



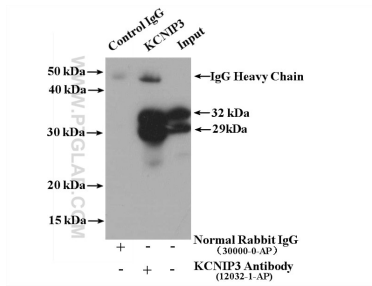
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12032-1-AP (KCNI P3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12032-1-PBS in a different storage buffer formulation.



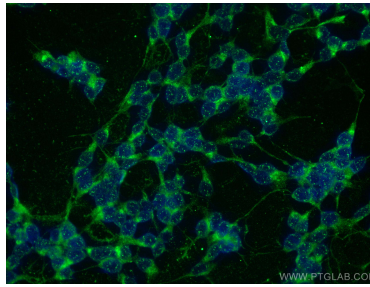
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12032-1-AP (KCNI P3 antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 12032-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 12032-1-AP (KCNI P3 antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 12032-1-PBS in a different storage buffer formulation.



IP result of anti-KCNI P3 (IP:12032-1-AP, 4ug; Detection:12032-1-AP 1:1000) with mouse brain tissue lysate 4400 ug. This data was developed using the same antibody clone with 12032-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using KCNI P3 antibody (12032-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 12032-1-PBS in a different storage buffer formulation.