

For Research Use Only

KCNIP3 Recombinant monoclonal antibody

Catalog Number: 86579-1-RR



Basic Information

Catalog Number:

86579-1-RR

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

Purification Method:

Protein A purification

CloneNo.:

251515A1

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, pig

Positive Controls:

WB : mouse brain tissue, rat brain tissue

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 -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:

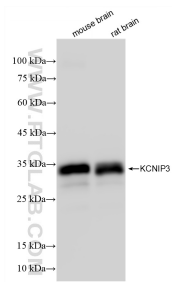
T: 4006900926

E: Proteintech-CN@ptglab.com

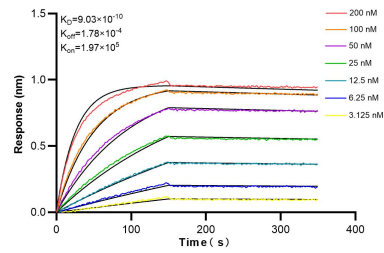
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86579-1-RR (KCNIP3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86579-1-RR against Human KCNIP3 were performed. The affinity constant is 0.903 nM.