

For Research Use Only

KCNIP3 Recombinant monoclonal antibody

Catalog Number: 86579-1-RR



Basic Information

Catalog Number: 86579-1-RR	GenBank Accession Number: BC012850	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 30818	CloneNo.: 251515A1
Source: Rabbit	UNIPROT ID: Q9Y2W7	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: Kv channel interacting protein 3, calsenilin	
Immunogen Catalog Number: AG2665	Calculated MW: 256 aa, 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat, pig	

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

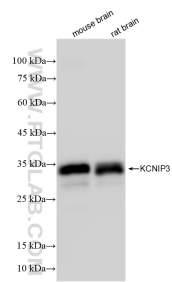
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

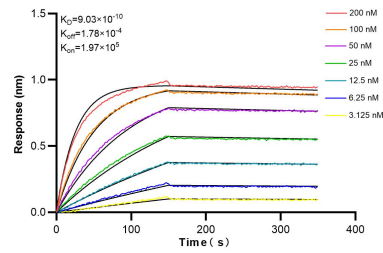
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.