

For Research Use Only

CACNG2 Polyclonal antibody

Catalog Number: 20969-1-AP



Basic Information

Catalog Number: 20969-1-AP	GenBank Accession Number: NM_006078	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 800 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10369	Recommended Dilutions: IHC 1:20-1:200
Source: Rabbit	Full Name: calcium channel, voltage-dependent, gamma subunit 2	
Isotype: IgG	Calculated MW: 36 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse brain tissue,
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	

Background Information

Voltage-dependent calcium channel gamma-2 subunit (CACNG2, also known as stargazin or TARP gamma-2) is a brain-specific transmembrane AMPA receptor regulatory protein. CACNG2 is intimately involved in the trafficking of glutamatergic AMPA receptors and the modulation of their ion channel function (PMID: 20688780).

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

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)

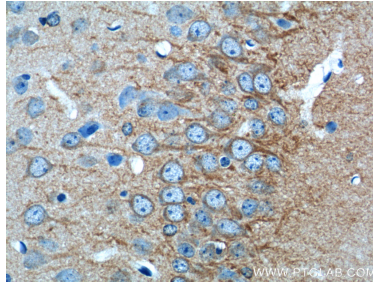
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20969-1-AP (CACNG2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20969-1-AP (CACNG2 Antibody) at dilution of 1:50 (under 40x lens).