

For Research Use Only

CACNA1B Polyclonal antibody

Catalog Number: 30625-1-AP



Basic Information

Catalog Number: 30625-1-AP	GenBank Accession Number: NM_000718	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 774	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q00975	
Isotype: IgG	Full Name: calcium channel, voltage-dependent, N type, alpha 1B subunit	
Immunogen Catalog Number: AG33516	Calculated MW: 262 kDa	
	Observed MW: 200 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SH-SY5Y cells, Y79 cells
Species Specificity: human	

Background Information

CACNA1B, also named CACH5, CACNL1A5, and BIII, belongs to the calcium channel alpha-1 subunit (TC 1.A.1.11) family. Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division, and cell death. CACNA1B gives rise to N-type calcium currents. N-type calcium channels belong to the 'high-voltage activated' (HVA) group and are blocked by omega-conotoxin-GVIA (omega-CTx-GVIA) and by omega-agatoxin-IIIA (omega-Aga-IIIA). They are however insensitive to dihydropyridines (DHP), and omega-agatoxin-IVA (omega-Aga-IVA). CACNA1B may play a role in the directed migration of immature neurons.

Storage

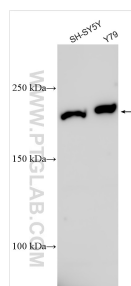
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Various lysates were subjected to SDS PAGE followed by western blot with 30625-1-AP (CACNA1B antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.