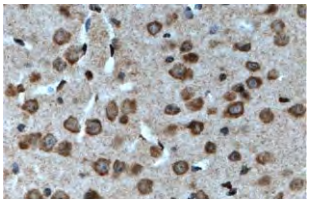
CACNA1B Polyclonal Antibody

Catalog No.	MBS2524754	**Reactivity**	H,M,R
Storage	Store at -20℃, Avoid freeze / thaw cycles	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Immunohistochemistry of paraffin-embedded Mouse brain using CACNA1B Polyclonal Antibody at dilution of 1:100

Immunogen Information

Immunogen	fusion protein
Gene ID	774
Swissprot	Q00975
Synonyms	BIII, Brain calcium channel III, CACH5, CACNA1B, CACNL1A5, CACNN, Cav2.2

Product Information

Calculated MW	262 kDa
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3
Purify	Affinity purification
Dilution	IHC 1:50-1:500

Background

CACNA1B, also named as 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 directed migration of immature neurons.