



[Go to Product page](#)

Datasheet for ABIN7112179 **anti-CACNA1B antibody**

Overview

Quantity:	100 µg
Target:	CACNA1B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	calcium channel, voltage-dependent, N type, alpha 1B subunit
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CACNA1B
Alternative Name:	CACNA1B (CACNA1B Products)
Background:	Synonyms: BIII, Brain calcium channel III, CACH5, CACNA1B, CACNL1A5, CACNN, Cav2.2 Background: 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

Target Details

division and cell death. The isoform alpha-1B 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-III(omega-Aga-III). They are however insensitive to dihydropyridines(DHP), and omega-agatoxin-IVA(omega-Aga-IVA). Calcium channels containing alpha-1B subunit may play a role in directed migration of immature neurons.

Molecular Weight: 262 kDa

Gene ID: 774

UniProt: [Q00975](#)

Application Details

Application Notes: WB: 1:200-1:1000, IHC: 1:50-1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months