

## anti- CACNA1B antibody

### Product Information

Catalog No.:	FNab01171
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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 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 A(omega-Aga-III A). They are however insensitive to dihydropyridines(DHP), and omega-agatoxin-IV A(omega-Aga-IV A). Calcium channels containing alpha-1B subunit may play a role in directed migration of immature neurons.

### Immunogen information

Immunogen:	calcium channel, voltage-dependent, N type, alpha 1B subunit
Synonyms:	BIII, Brain calcium channel III, CACH5, CACNA1B, CACNL1A5, CACNN, Cav2.2
Observed MW:	262 kDa
Uniprot ID :	Q00975

### Application

1

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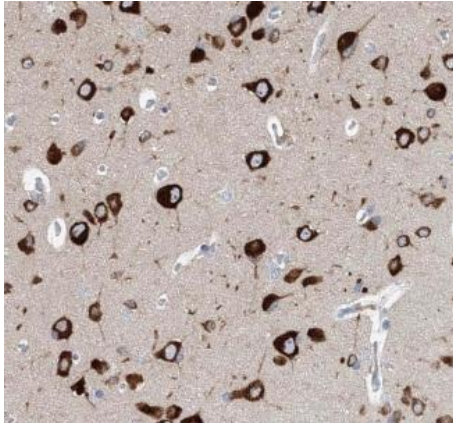
[www.fn-test.com](http://www.fn-test.com)

Reactivity: Human, Mouse, Rat

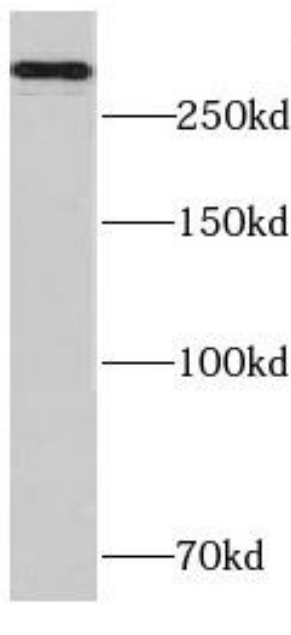
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:1000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded mouse brain tissue slide using FNab01171(CACNA1B Antibody) at dilution of 1:100 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



mouse brain tissue were subjected to SDS PAGE followed by western blot with FNab01171(CACNA1B antibody) at dilution of 1:300

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