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CACNB1 antibody - N-terminal region

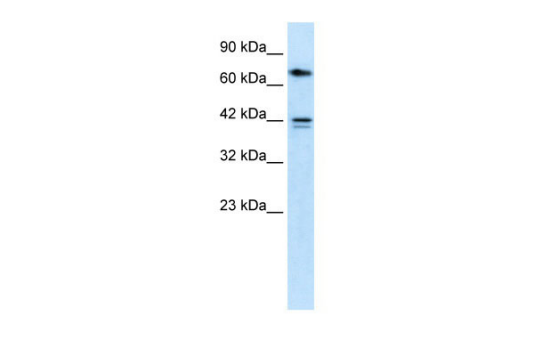
Rabbit Polyclonal Antibody

Catalog # AI10763

Specification

CACNB1 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q02641
Other Accession	NM_000723, NP_000714
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Zebrafish, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**66kDa KDa**



WB Suggested Anti-CACNB1 Antibody
Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

CACNB1 antibody - N-terminal region - Additional Information

Gene ID 782

Alias Symbol	**CAB1, CACNLB1, CCHLB1, MGC41896**

Other Names
Voltage-dependent L-type calcium channel subunit beta-1, CAB1, Calcium channel voltage-dependent subunit beta 1, CACNB1, CACNLB1

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-CACNB1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
CACNB1 antibody - N-terminal region is for

CACNB1 antibody - N-terminal region - References

Hogan,K., et al., (1999) Neurosci. Lett. 277 (2), 111-114Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

research use only and not for use in diagnostic or therapeutic procedures.

CACNB1 antibody - N-terminal region - Protein Information

Name CACNB1

Synonyms CACNLB1

Function
Regulatory subunit of L-type calcium channels (PubMed:1309651, PubMed:8107964, PubMed:15615847). Regulates the activity of L-type calcium channels that contain CACNA1A as pore-forming subunit (By similarity). Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit and increases the presence of the channel complex at the cell membrane (PubMed:15615847). Required for functional expression L-type calcium channels that contain CACNA1D as pore-forming subunit (PubMed:1309651). Regulates the activity of L-type calcium channels that contain CACNA1B as pore-forming subunit (PubMed:8107964).

Cellular Location
Cell membrane, sarcolemma; Peripheral membrane protein {ECO:0000250|UniProtKB:P19517}; Cytoplasmic side {ECO:0000250|UniProtKB:P19517}. Cell membrane; Peripheral membrane protein

Tissue Location
Detected in heart ventricle (at protein level) (PubMed:15615847). Isoform 1 and isoform 3 are expressed in brain, heart, spleen, central nervous system and neuroblastoma cells. Isoform 2 is expressed in skeletal muscle.

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CACNB1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture