

Rabbit anti-Human b3 Calcium Channel Polyclonal Antibody | anti-CACNB3 antibody

b3 Calcium Channel

CATALOG # AAA60503	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

b3 Calcium Channel; Polyclonal Antibody; Voltage-Dependent L-Type Calcium Channel; beta3 subunit; anti-CACNB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Ammonium Sulfate Precipitation
Form/Format	Unconjugated Provided as solution in phosphate buffered saline with 0.08% sodium azide
Sequence Length	484
Applicable Applications for anti-CACNB3 antibody	WB (Western Blot)
Immunogen	Synthetic peptide derived from the rat beta3 calcium channel conjugated to KLH
Positive Control	Rat brain lysate
Preparation and Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles Products are stable for one year from purchase when stored properly Shipping: Ships at ambient temperature, freeze upon arrival

ADDITIONAL INFORMATION

Related Product Information for anti-CACNB3 antibody	Voltage-sensitive calcium channels (VSCCs) 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. Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. They are blocked by dihydropyridines (DHP), phenylalkylamines, benzothiazepines, and by omega-agatoxin-IIIA (omega-aga-IIIA). They are however insensitive to omega-conotoxin-GVIA (omega-ctx-GVIA) and omega-agatoxin-IVA (omega-aga-IVA). The overall conclusion is that deletion of the beta 3 subunit affects at least three distinct types of High voltage activated Ca2+ channel (L,N and P/Q types), but no single type of channel is solely dependent on beta 3.
Product Categories/Family for anti-CACNB3 antibody	Polyclonal Antibody ; Ion Channels

NCBI AND UNIPROT INFORMATION

NCBI GI #	40316928
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NCBI GeneID	784
NCBI Accession #	NP_000716.2
NCBI GenBank Nucleotide #	NM_000725.3
UniProt Accession #	P54284; Q13913; A8K0Z4; B7Z4Q1; B7Z973; B7ZAK8; F5GZW7; F5H2P6; F8VSG3
NCBI Official Full Name	voltage-dependent L-type calcium channel subunit beta-3 isoform 1
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, beta 3 subunit
NCBI Official Symbol	CACNB3
NCBI Official Synonym Symbols	CAB3; CACNLB3
NCBI Protein Information	voltage-dependent L-type calcium channel subunit beta-3
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit beta-3
UniProt Gene Name	CACNB3
UniProt Synonym Gene Names	CACNLB3; CAB3
UniProt Entry Name	CACB3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/b3-calcium-channel-antibody-western-blot-elisa/60503>