

Rabbit anti-Human, Mouse CACNB4 Polyclonal Antibody | anti-CACNB4 antibody

CACNB4 Polyclonal Antibody

CATALOG # AAA175881	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry
-------------------------------	-----------------------	-----------------------------------	--

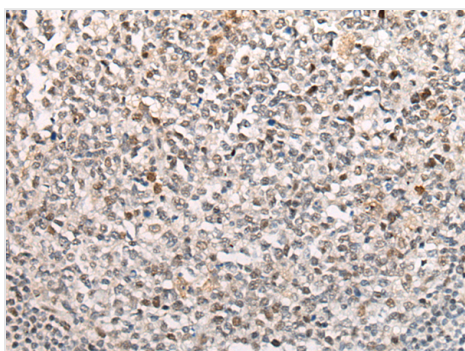
PRODUCT SYNONYMS

CACNB4; Polyclonal Antibody; CACNB4 Polyclonal Antibody; CAB4; CACB4; Cacnb4; CACNLB4; Calcium channel voltage dependent beta 4 subunit; Calcium channel voltage dependent subunit beta 4; Calcium channel voltage-dependent subunit beta 4; Dihydropyridine sensitive L type calcium channel beta 4 subunit; EA5; EIG9; EJM; EJM4; EJM6; Voltage-dependent L-type calcium channel subunit beta-4; anti-CACNB4 antibody

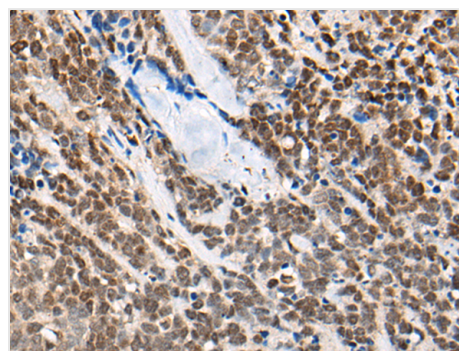
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN ₃ and 40% Glycerol, pH7.4
Concentration	0.5mg/mL (varies by lot)
Sequence Length	520
Applicable Applications for anti-CACNB4 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human CACNB4
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human tonsil tissue using CACNB4 Polyclonal Antibody at dilution of 1:40(×200)



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CACNB4 Polyclonal Antibody at dilution of 1:40(×200)

ADDITIONAL INFORMATION

Related Product Information for anti-CACNB4 antibody	This gene encodes a member of the beta subunit family of voltage-dependent calcium channel complex proteins. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. The protein encoded by this locus plays an important role in calcium channel function by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Certain mutations in this gene have been associated with idiopathic generalized epilepsy (IGE) and juvenile myoclonic epilepsy (JME). Multiple transcript variants encoding different isoforms have been found for this gene.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	54607064
NCBI GeneID	785
NCBI Accession #	NP_000717
NCBI GenBank Nucleotide #	NP_000717.2
UniProt Accession #	O00305
NCBI Official Full Name	voltage-dependent L-type calcium channel subunit beta-4 isoform b
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit beta 4
NCBI Official Symbol	CACNB4
NCBI Official Synonym Symbols	EA5; EJM; CAB4; EIG9; EJM4; EJM6; CACNLB4
NCBI Protein Information	voltage-dependent L-type calcium channel subunit beta-4
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit beta-4
UniProt Gene Name	CACNB4
UniProt Synonym Gene Names	CACNLB4; CAB4
UniProt Entry Name	CACB4_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.