Rabbit CACNA1D Polyclonal Antibody | anti-CACNA1D antibody

CACNA1D Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA166246	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, ELISA**

PRODUCT SYNONYMS

CACNA1D; Polyclonal Antibody; CACNA1D Polyclonal Antibody; CACH3; CACN4; PASNA; SANDD; Cav1.3; CCHL1A2; CACNL1A2; anti-CACNA1D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	2.6mg/mL (varies by lot)
Sequence Length	859
Applicable Applications for anti-CACNA1D antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human CACNA1D
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using CACNA1D Polyclonal Antibody at dilution 1:40

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human brain tissue using CACNA1D Polyclonal Antibody at dilution 1:40

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA1D antibody	Voltage-dependent calcium channels 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, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, namely alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37590154
NCBI GeneID	12289
Molecular Weight	245,217 Da
NCBI Official Full Name	Cacna1d protein
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, L type, alpha 1D subunit
NCBI Official Symbol	Cacna1d
NCBI Official Synonym Symbols	Cach3; Cacn4; C79217; Cav1.3; Cchl1a; D-LTCC; Cchl1a2; Cacnl1a2; 8430418G19Rik
NCBI Protein Information	voltage-dependent L-type calcium channel subunit alpha-1D; Cav1.3alpha1; alpha 1 E; calcium channel, L type, alpha-1 polypeptide; voltage-gated calcium channel subunit alpha Cav1.3
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit alpha-1D
UniProt Gene Name	**Cacna1d**
UniProt Synonym Gene Names	Cach3; Cacn4; Cacnl1a2; Cchl1a2
UniProt Entry Name	CAC1D_MOUSE

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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