

Rabbit anti-Human CACNA2D4 Polyclonal Antibody | anti-CACNA2D4 antibody

CACNA2D4 Antibody (N-term)

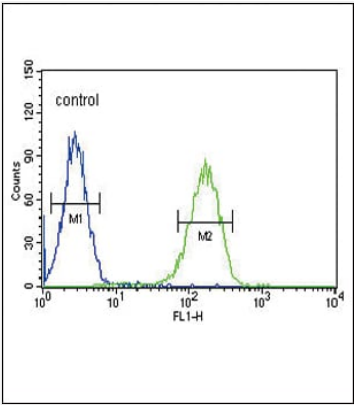
CATALOG # AAA288049	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

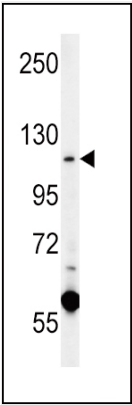
CACNA2D4; Polyclonal Antibody; CACNA2D4 Antibody (N-term); Voltage-dependent calcium channel subunit alpha-2/delta-4; Voltage-gated calcium channel subunit alpha-2/delta-4; Voltage-dependent calcium channel subunit alpha-2-4; Voltage-dependent calcium channel subunit delta-4; anti-CACNA2D4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CACNA2D4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 89-118 amino acids from the N-terminal region of human CACNA2D4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	89-118
Sequence Length	1137
Applicable Applications for anti-CACNA2D4 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CACNA2D4 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
CACNA2D4 Antibody (N-term) western blot analysis in K562 cell line lysates (15ug/lane). This demonstrates the CACNA2D4 antibody detected the CACNA2D4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA2D4 antibody	CACNA2D4 is a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. 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. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
Product Categories/Family for anti-CACNA2D4 antibody	Neuroscience; Signal Transduction
References	Wycisk, K.A., et al. Am. J. Hum. Genet. 79(5):973-977(2006) Qin, N., et al. Mol. Pharmacol. 62(3):485-496(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	132566536
NCBI GeneID	93589
NCBI Accession #	NP_758952.4
NCBI GenBank Nucleotide #	NM_172364.4
UniProt Accession #	Q7Z3S7; Q7Z3S8; Q86XZ5; Q8IZS9
Molecular Weight	127938
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-4
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, alpha 2/delta subunit 4
NCBI Official Symbol	CACNA2D4
NCBI Official Synonym Symbols	RCD4
NCBI Protein Information	voltage-dependent calcium channel subunit alpha-2/delta-4
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-4

UniProt Gene Name	CACNA2D4
UniProt Entry Name	CA2D4_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/cacna2d4-antibody-flow-cytometry-western-blot-elisa/288049>