

Rabbit CACNA2D3 Polyclonal Antibody | anti-CACNA2D3 antibody

CACNA2D3 Antibody (C-term)

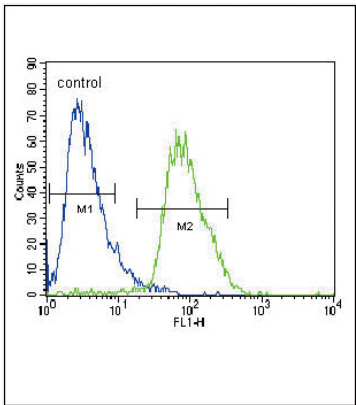
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285666	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

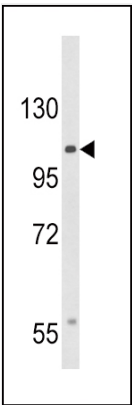
CACNA2D3; Polyclonal Antibody; CACNA2D3 Antibody (C-term); Voltage-dependent calcium channel subunit alpha-2/delta-3; Voltage-gated calcium channel subunit alpha-2/delta-3; Voltage-dependent calcium channel subunit alpha-2-3; Voltage-dependent calcium channel subunit delta-3; anti-CACNA2D3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CACNA2D3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1026-1053 amino acids from the C-terminal region of human CACNA2D3.
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	1026-1053
Sequence Length	1091
Applicable Applications for anti-CACNA2D3 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)
CACNA2D3 Antibody (C-term) flow cytometric analysis of HepG2 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)
Western blot analysis of CACNA2D3 Antibody (C-term) in HepG2 cell line lysates (35ug/lane). CACNA2D3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA2D3 antibody	CACNA2D3 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.
Product Categories/Family for anti-CACNA2D3 antibody	Neuroscience; Signal Transduction
References	Trynka, G., et al. Gut 58(8):1078-1083(2009) Wanajo, A., et al. Gastroenterology 135(2):580-590(2008) Uhl, G.R., et al. Arch. Gen. Psychiatry 65(6):683-693(2008) Abo-Dalo, B., et al. Am. J. Med. Genet. A 143A (22), 2668-2674 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	54112397
NCBI GeneID	55799
NCBI Accession #	NP_060868.2
NCBI GenBank Nucleotide #	NM_018398.2
UniProt Accession #	Q8IZS8; Q9NY16; Q9NY18; B2RPL6
Molecular Weight	123011
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-3
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, alpha 2/delta subunit 3
NCBI Official Symbol	CACNA2D3
NCBI Official Synonym Symbols	HSA272268
NCBI Protein Information	voltage-dependent calcium channel subunit alpha-2/delta-3
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-3
UniProt Gene Name	CACNA2D3
UniProt Entry Name	CA2D3_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://www.aaabiotech.com/polyclonal/cacna2d3-antibody-flow-cytometry-western-blot-elisa/285666>