

Rabbit anti-Rat CaValpha2delta1 Polyclonal Antibody | anti-CaValpha2delta1 antibody

CaValpha2delta1 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA318905	Rabbit	Rat	Immunofluorescence, Immunohistochemistry, Western Blot

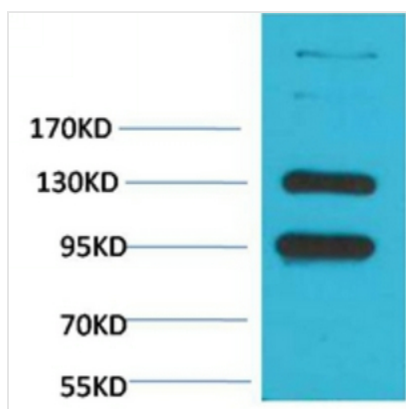
PRODUCT SYNONYMS

CaValpha2delta1; Polyclonal Antibody; CaValpha2delta1 Rabbit Polyclonal Antibody; Voltage-dependent calcium channel subunit alpha-2/delta-1 (Voltage-gated calcium channel subunit alpha-2/delta-1) [Cleaved into: Voltage-dependent calcium channel subunit alpha-2-1; Voltage-dependent calcium channel subunit delta-1]; YM3494; BH6842; anti-CaValpha2delta1 antibody

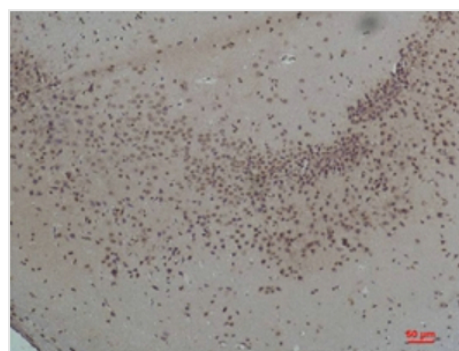
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous CaValpha2delta1 protein
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CaValpha2delta1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide of CaValpha2delta1
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES


WB (Western Blot)

Western blot analysis of Rat Brain Tissue with CaV2.1 Rabbit pAb diluted at 1:2,000.


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CaV2.1 Rabbit pAb diluted at 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-CaValpha2delta1 antibody	calcium voltage-gated channel auxiliary subunit alpha2delta 1 (CACNA2D1) Homo sapiens The preproprotein encoded by this gene is cleaved into multiple chains that comprise the alpha-2 and delta subunits of the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. Mutations in this gene can cause cardiac deficiencies, including Brugada syndrome and short QT syndrome. Alternate splicing results in multiple transcript variants, some of which may lack the delta subunit portion. [provided by RefSeq, Nov 2014]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54112390
NCBI GeneID	781
NCBI Accession #	NP_000713.2
NCBI GenBank Nucleotide #	NM_000722.3
UniProt Accession #	P54289; Q17R45; Q9UD80; Q9UD81; Q9UD82
Molecular Weight	122,443 Da
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-1 preproprotein
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, alpha 2/delta subunit 1
NCBI Official Symbol	CACNA2D1
NCBI Official Synonym Symbols	CACNA2; CCHL2A; CACNL2A; LINC01112; lncRNA-N3
NCBI Protein Information	voltage-dependent calcium channel subunit alpha-2/delta-1; calcium channel, L type, alpha 2 polypeptide; voltage-gated calcium channel subunit alpha-2/delta-1; dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-1
UniProt Gene Name	CACNA2D1
UniProt Synonym Gene Names	CACNL2A; CCHL2A; MHS3
UniProt Entry Name	CA2D1_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/cavalpha2delta1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/318905>