

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

CaValpha2delta1 Polyclonal Antibody

CATALOG # AAA173780	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry, Western Blot
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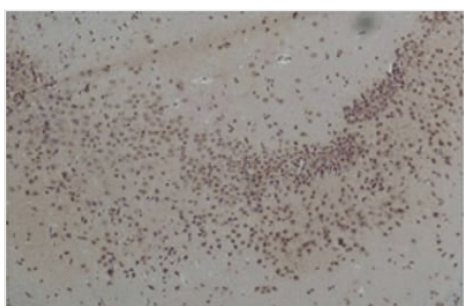
PRODUCT SYNONYMS

CaValpha2delta1; Polyclonal Antibody; CaValpha2delta1 Polyclonal Antibody; anti-CaValpha2delta1 antibody

PRODUCT SPECIFICATIONS

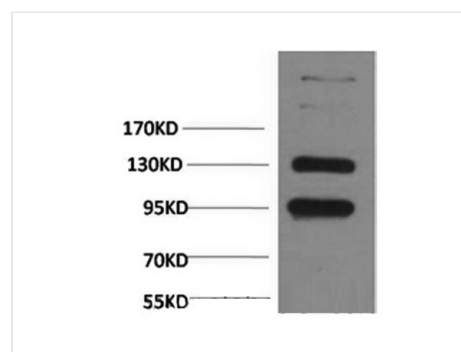
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/mL (varies by lot)
Sequence Length	1091
Applicable Applications for anti-CaValpha2delta1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat brain tissue using CaValpha2delta1 Polyclonal Antibody at dilution of 1:200.



WB (Western Blot)

Western Blot analysis of Rat brain using CaValpha2delta1 Polyclonal Antibody at dilution of 1:2000.

ADDITIONAL INFORMATION

Related Product Information for anti-CaValpha2delta1 antibody	CACNA2D1 (Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 1) is a Protein Coding gene. Diseases associated with CACNA2D1 include Familial Short Qt Syndrome and Timothy Syndrome. Among its related pathways are CCR5 Pathway in Macrophages and PEDF Induced Signaling. GO annotations related to this gene include voltage-gated calcium channel activity and calcium channel regulator activity. An important paralog of this gene is CACNA2D2.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.
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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	100-130kDa
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-1 preproprotein
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit alpha2delta 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
UniProt Protein Name	Voltage-dependent calcium channel subunit alpha-2/delta-1
UniProt Gene Name	CACNA2D1
UniProt Synonym Gene Names	CACNL2A; CCHL2A; MHS3

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-immunohistochemistry-western-blot-elisa/173780>