

Rabbit CACNA2D1 Polyclonal Antibody | anti-CACNA2D1 antibody

CACNA2D1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197901	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

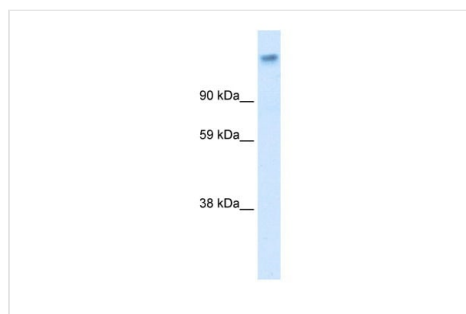
PRODUCT SYNONYMS

CACNA2D1; Polyclonal Antibody; CACNA2D1 antibody - middle region; anti-CACNA2D1 antibody

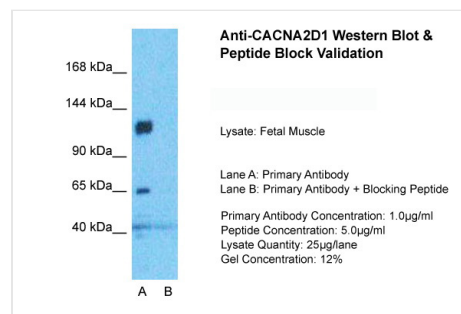
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PK SQEPVTLDFL DAELENDIKV EIRNKMIDGE SGKEKTFRTLV KSQDERYI
Sequence Length	1091
Applicable Applications for anti-CACNA2D1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human CACNA2D1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-CACNA2D1 Antibody Titration: 0.12ug/ml
ELISA Titer: 1:312500
Positive Control: Human Muscle


WB (Western Blot)

Host: Rabbit
Target Name: CACNA2D1
Sample Type: Fetal Muscle
Lane A: Primary Antibody
Lane B: Primary Antibody + Blocking Peptide
Primary Antibody Concentration: 1.0ug/ml
Peptide Concentration: 5.0ug/ml
Lysate Quantity: 25ug/lane
Gel Concentration: 12%

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA2D1 antibody	This is a rabbit polyclonal antibody against CACNA2D1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: CACNA2D1 encodes 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.
Product Categories/Family for anti-CACNA2D1 antibody	Polyclonal; Ion Channel; Signal Proteins; MAPK Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	54112390
NCBI GeneID	781
NCBI Accession #	NP_000713
NCBI GenBank Nucleotide #	NM_000722
UniProt Accession #	P54289
Molecular Weight	120kDa
NCBI Official Full Name	voltage-dependent calcium channel subunit alpha-2/delta-1 isoform 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
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://stage.aaabiotech.com/polyclonal/cacna2d1-antibody-western-blot-elisa/197901>