Rabbit Cav3.3 Polyclonal Antibody | anti-Cav3.3 antibody

Cav3.3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293725	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry**

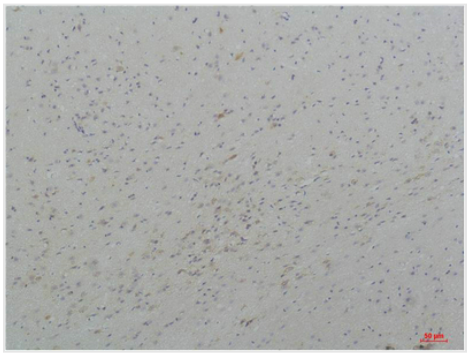
PRODUCT SYNONYMS

Cav3.3; Polyclonal Antibody; Cav3.3 Polyclonal Antibody; Voltage-dependent T-type calcium channel subunit alpha-1I (Voltage-gated calcium channel subunit alpha Cav3.3)(Ca (v)3.3); anti-Cav3.3 antibody

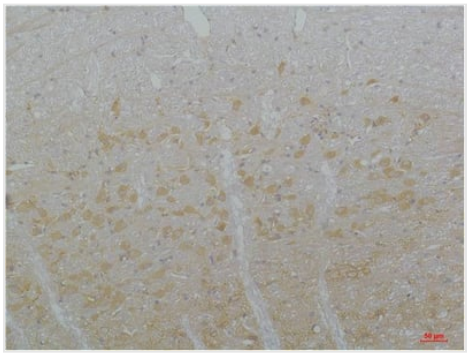
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-Cav3.3 antibody	IHC (Immunohistochemistry)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data
Dilution: IHC 1:100-200



Application Data
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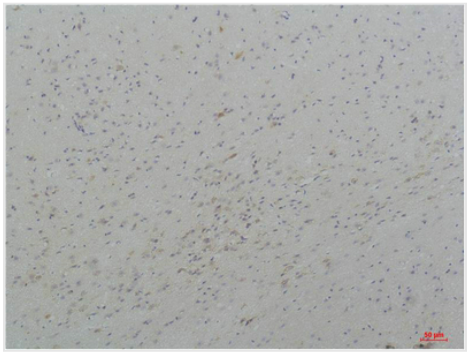
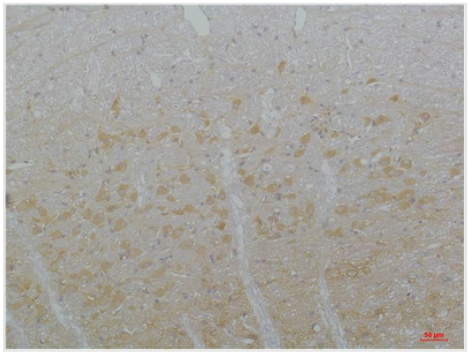


Application Data
Dilution: IHC 1:100-200



IHC (Immunohistochemistry)
Dilution: IHC: 1:100-200

ADDITIONAL INFORMATION

Related Product Information for anti-Cav3.3 antibody	Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. This channel gives rise to T-type calcium currents. T-type calcium channels belong to the "low-voltage activated (LVA)" group and are strongly blocked by nickel and mibefradil. A particularity of this type of channels is an opening at quite negative potentials, and a voltage- dependent inactivation. T-type channels serve pacemaking functions in both central neurons and cardiac nodal cells and support calcium signaling in secretory cells and vascular smooth muscle. They may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes. Gates in voltage ranges similar to, but higher than alpha 1G or alpha 1H (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	51093859
NCBI GeneID	8911
NCBI Accession #	NP_001003406.1
NCBI GenBank Nucleotide #	NM_001003406.1
UniProt Accession #	Q9P0X4; O95504; Q5JZ88; Q7Z6S9; Q8NFX6; Q9NZC8; Q9UH15; Q9UH30; Q9ULU9; B0QY12; B0QY13; B0QY14
Molecular Weight	245 kDa
NCBI Official Full Name	voltage-dependent T-type calcium channel subunit alpha-1I isoform b
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, T type, alpha 1I subunit
NCBI Official Symbol	CACNA1I
NCBI Official Synonym Symbols	Cav3.3; ca(v)3.3
NCBI Protein Information	voltage-dependent T-type calcium channel subunit alpha-1I; voltage-gated calcium channel subunit alpha Cav3.3; calcium channel, voltage-dependent, alpha 1I subunit
UniProt Protein Name	Voltage-dependent T-type calcium channel subunit alpha-1I
UniProt Gene Name	**CACNA1I**
UniProt Synonym Gene Names	KIAA1120; Ca(v)3.3
UniProt Entry Name	CAC1I_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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