

Rabbit Cav pan alpha1 Polyclonal Antibody | anti-Cav antibody

Cav pan alpha1 Polyclonal Antibody

CATALOG # AAA293727	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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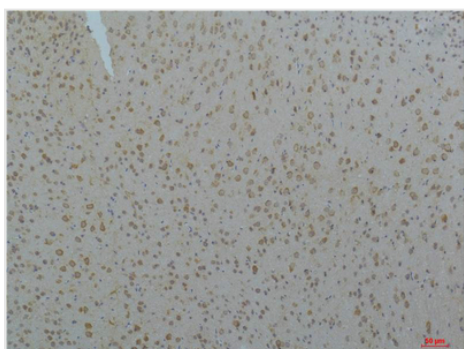
PRODUCT SYNONYMS

Cav pan alpha1; Polyclonal Antibody; Cav pan alpha1 Polyclonal Antibody; Voltage-dependent L-type calcium channel subunit alpha-1C (Calcium channel; L type; alpha-1 polypeptide; isoform 1; cardiac muscle)(Voltage-gated calcium channel subunit alpha Cav1.2); anti-Cav antibody

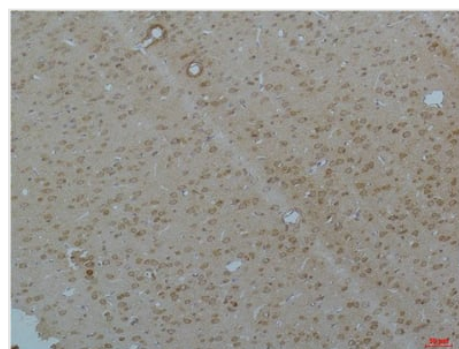
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-Cav 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.

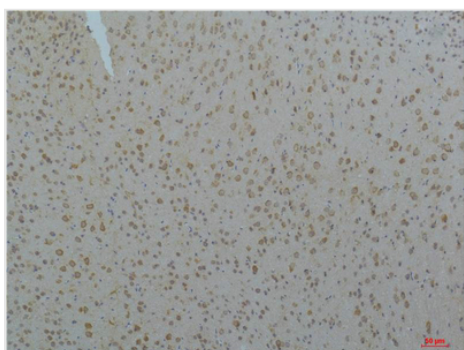
IMAGES



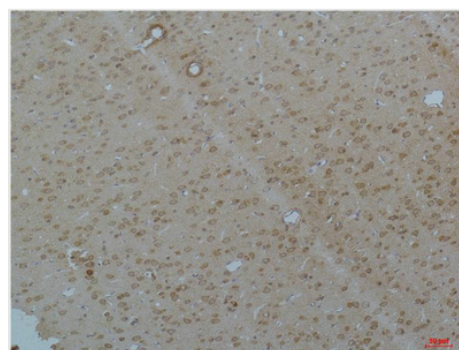
Application Data
Dilution: IHC 1:100-200



Application Data
Dilution: IHC 1:100-200



Application Data
Dilution: IHC 1:100-200



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

ADDITIONAL INFORMATION

Related Product Information for anti-Cav antibody	Pore-forming, alpha-1C subunit of the voltage-gated calcium channel that gives rise to L-type calcium currents (PubMed:7737988, PubMed:9087614, PubMed:9013606, PubMed:9607315, PubMed:12176756, PubMed:17071743, PubMed:11741969, PubMed:8099908, PubMed:12181424, PubMed:29078335, PubMed:29742403, PubMed:16299511, PubMed:20953164, PubMed:15454078, PubMed:15863612, PubMed:17224476, PubMed:24728418, PubMed:26253506, PubMed:27218670). Mediates influx of calcium ions into the cytoplasm, and thereby triggers calcium release from the sarcoplasm (By similarity). Plays an important role in excitation- contraction coupling in the heart. Required for normal heart development and normal regulation of heart rhythm (PubMed:15863612, PubMed:17224476, PubMed:24728418, PubMed:26253506). Required for normal contraction of smooth muscle cells in blood vessels and in the intestine. Essential for normal blood pressure regulation via its role in the contraction of arterial smooth muscle cells (PubMed:28119464). Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group (Probable).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	951207
NCBI GeneID	775
UniProt Accession #	Q13936; Q13917; Q13918; Q13919; Q13920; Q13921; Q13922; Q13923; Q13924; Q13925; B2RUT3; E9PDJ0
Molecular Weight	252,507 Da
NCBI Official Full Name	voltage-gated calcium channel, partial
NCBI Official Synonym Full Names	calcium voltage-gated channel subunit alpha1 C
NCBI Official Symbol	CACNA1C
NCBI Official Synonym Symbols	TS; LQT8; CACH2; CACN2; CaV1.2; CCHL1A1; CACNL1A1
NCBI Protein Information	voltage-dependent L-type calcium channel subunit alpha-1C
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit alpha-1C
UniProt Gene Name	CACNA1C
UniProt Synonym Gene Names	CACH2; CACN2; CACNL1A1; CCHL1A1

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.