



# Cav pan $\alpha$ 1 rabbit pAb

Cat No.:ES20799

For research use only

## Overview

<b>Product Name</b>	Cav pan $\alpha$ 1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse
<b>Recommended dilutions</b>	IHC 1:100-200
<b>Immunogen</b>	Synthetic Peptide of Cav pan $\alpha$ 1 AA range: 1288-1338
<b>Specificity</b>	Cav pan $\alpha$ 1 protein(A211) detects endogenous levels of Cav pan $\alpha$ 1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	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)
<b>Gene Name</b>	CACNA1C
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein . Cell membrane, sarcolemma ; Multi-pass membrane protein . Perikaryon . Cell junction, synapse, postsynaptic density membrane . Cell projection, dendrite . Cell membrane, sarcolemma, T-tubule . Colocalizes with
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	160-240kD
<b>Human Gene ID</b>	775
<b>Human Swiss-Prot Number</b>	Q13936
<b>Alternative Names</b>	Voltage-dependent L-type calcium channel subunit



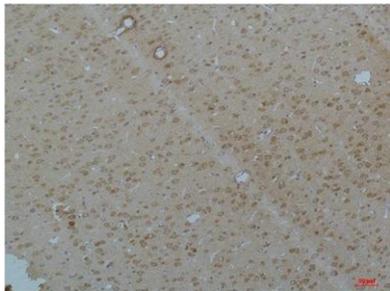


## Background

alpha-1C (Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; Voltage-gated calcium channel subunit alpha Cav1.2)

calcium voltage-gated channel subunit alpha1 C(CACNA1C) Homo sapiens This gene encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins, either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by this gene binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins. Some of the predicted proteins may not produce functional ion channel subunits. [provided by RefSeq, Oct 2012],

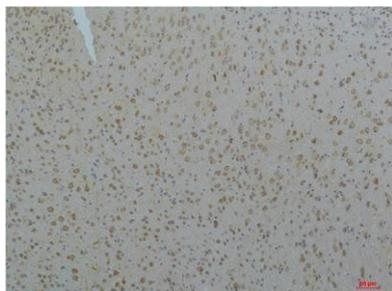
Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav pan  $\alpha$ 1Rabbit pAb diluted at 1:200.





**ELK Biotechnology**

Immunohistochemical analysis of paraffin-embedded  
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