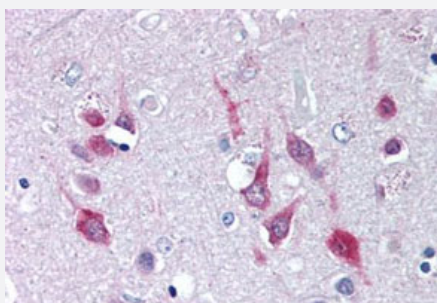


CACNA1C polyclonal antibody

Catalog # PAB27744

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain, cortex with CACNA1C polyclonal antibody (Cat # PAB27744). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CACNA1C.
Immunogen	A synthetic peptide corresponding to 16 amino acid at C-terminus of human CACNA1C.
Host	Rabbit
Reactivity	Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human brain, cortex with CACNA1C polyclonal antibody (Cat # PAB27744). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Gene Info — CACNA1C

Entrez GeneID [775](#)

Protein Accession# [Q13936](#)

Gene Name CACNA1C

Gene Alias CACH2, CACN2, CACNL1A1, CCHL1A1, CaV1.2, MGC120730, TS

Gene Description calcium channel, voltage-dependent, L type, alpha 1C subunit

Omim ID [114205 601005](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations DHPR, alpha-1 subunit|calcium channel, L type, alpha 1 polypeptide, isoform 1, cardiac muscle|calcium channel, cardiac dihydropyridine-sensitive, alpha-1 subunit|voltage-gated L-type calcium channel Cav1.2 alpha 1 subunit, splice variant 10*|voltage-gated c

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Calcium signaling pathway](#)

- [Cardiac muscle contraction](#)
- [GnRH signaling pathway](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Anxiety Disorders](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Dysthymic Disorder](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Inflammation](#)
- [Language Tests](#)
- [Myocardial Infarction](#)
- [Narcolepsy](#)
- [Schizophrenia](#)
- [Task Performance and Analysis](#)

- [Tobacco Use Disorder](#)