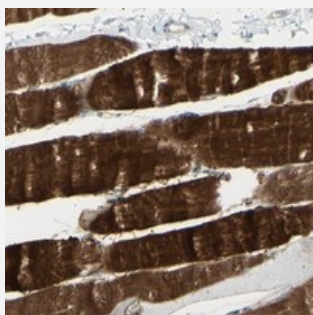


CACNA2D1 polyclonal antibody

Catalog # PAB20413 Size 100 uL

Applications



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

Immunohistochemical staining of human skeletal muscle with CACNA2D1 polyclonal antibody (Cat # PAB20413) shows strong cytoplasmic positivity in myocytes at 1:50-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant CACNA2D1.
Immunogen	Recombinant protein corresponding to amino acids of human CACNA2D1.
Sequence	QPKNPKSQEPVTLDFLDAELENDIKVEIRNKMIDGESGEKTFRTL VKSQDERYIDKGNRTYTWTPV NGTDYSLALVLPTYSFYIKAKLEE TITQARSKKGKMKDSETLKPDNFEE SGYTFIAPRDYCN DLKIS DNNTEFL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°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)

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Gene Info — CACNA2D1

Entrez GeneID[781](#)**Protein Accession#**[P54289](#)**Gene Name**

CACNA2D1

Gene Alias

CACNA2, CACNL2A, CCHL2A, MHS3

Gene Description

calcium channel, voltage-dependent, alpha 2/delta subunit 1

Omim ID[114204](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene 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. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq]

Other Designations

H_DJ0560O14.1|WUGSC:H_DJ0560O14.1|calcium channel, L type, alpha 2 polypeptide|dihydropyridine-sensitive L-type, calcium channel alpha-2/delta subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Cardiac muscle contraction](#)

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)