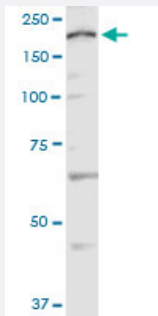


CACNA1C polyclonal antibody (A01)

Catalog # H00000775-A01

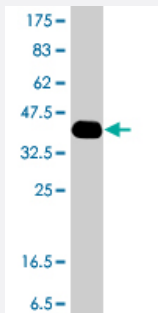
Size 50 uL

Applications



Western Blot (Tissue lysate)

CACNA1C polyclonal antibody (A01). Western Blot analysis of CACNA1C expression in rat testis.



Western Blot detection against Immunogen (37.11 kDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CACNA1C.
Immunogen	CACNA1C (NP_000710, 2039 a.a. ~ 2138 a.a) partial recombinant protein with GST tag.
Sequence	AVLISEGLGQFAQDPKFIEVTTQELADACDMTIEEMESAADNILSGGAPQSPNGALLPFVNCRDA GQDRAGGEEDAGCVRARGRPSEEEELQDSRVYVSSL
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (82); Rat (83)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.11 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CACNA1C polyclonal antibody (A01). Western Blot analysis of CACNA1C expression in rat testis.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CACNA1C

Entrez GeneID

[775](#)

GeneBank Accession#

[NM_000719](#)

Protein Accession#

[NP_000710](#)

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](#)