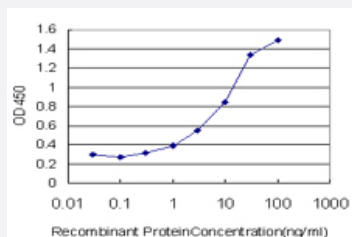


CACNA1S monoclonal antibody (M01), clone 2C5

Catalog # H00000779-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNA1S is approximately 0.3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CACNA1S.
Immunogen	CACNA1S (NP_000060, 1743 a.a. ~ 1838 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CPRVESSMPEDRKSSSTPGSLHEETPHSRSTRENTSRCSAPATALLIQKALVRGGLGTLAADANFI MATGQALGDACQMEPEEVEIMATELLKGRE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (61); Rat (57)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNA1S is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CACNA1S

Entrez GeneID [779](#)

GeneBank Accession# [NM_000069](#)

Protein Accession# [NP_000060](#)

Gene Name CACNA1S

Gene Alias CACNL1A3, CCHL1A3, Cav1.1, HOKPP, MHS5, hypoPP

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

Omim ID [114208](#) [170400](#) [188580](#) [601887](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes one of the five subunits of the slowly inactivating L-type voltage-dependent calcium channel in skeletal muscle cells. Mutations in this gene have been associated with hypokalemic periodic paralysis, thyrotoxic periodic paralysis and malignant hyperthermia susceptibility. [provided by RefSeq]

Other Designations OTTHUMP00000033931|calcium channel, L type, alpha 1 polypeptide, isoform 3 (skeletal muscle , hypokalemic periodic paralysis)|dihydropyridine receptor|dihydropyridine-sensitive L-type calcium channel alpha-1 subunit|voltage-gated calcium channel subunit al

Pathway

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

- [GnRH signaling pathway](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hyperthyroidism](#)
- [Hypokalemic Periodic Paralysis](#)
- [Malignant Hyperthermia](#)
- [Thyrotoxicosis](#)
- [Tobacco Use Disorder](#)