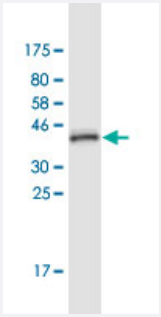
CX Grade

CACNA1F monoclonal antibody (M01C), clone 3B2

Catalog # H00000778-M01C Size 200 uL

Applications



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CACNA1F. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	CACNA1F (NP_005174, 1878 a.a. ~ 1977 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LHVPGTHSDPSHGKRGSADSLVEAVLISEGLGLFARDPRFVALAKQEIADACRLTLDEMDNAAS DLLAQGTSSLYSDEESILSRFDEEDLGDEMACVHAL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90)
Preparation Method	Cell Culture Production
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In condensed culture supernatant

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

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — CACNA1F

Entrez GeneID	778
GeneBank Accession#	NM_005183
Protein Accession#	NP_005174
Gene Name	CACNA1F
Gene Alias	AIED, COD3, CORDX, CORDX3, CSNB2, CSNB2A, CSNBX2, Cav1.4, JM8, JMC8, OA2
Gene Description	calcium channel, voltage-dependent, L type, alpha 1F subunit
Omim ID	300071 300110 300476
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the alpha-1 subunit family; a protein in the voltage-dependent cal cium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon me mbrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunit s in a 1:1:1:1 ratio. The alpha-1 subunit has 24 transmembrane segments and forms the pore thro ugh which ions pass into the cell. There are multiple isoforms of each of the proteins in the comple x, either encoded by different genes or the result of alternative splicing of transcripts. Alternate tra nscriptional splice variants of the gene described here have been observed but have not been tho roughly characterized. Mutations in this gene have been shown to cause incomplete X-linked con genital stationary night blindness type 2 (CSNB2). [provided by RefSeq
Other Designations	Cav1.4alpha1

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

- Retinal Diseases
- Rhinitis