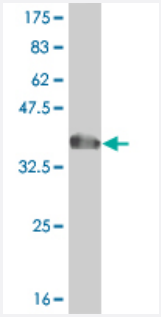
CACNA2D2 polyclonal antibody (A01)

Catalog # H00009254-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (36.89 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CACNA2D2.
Immunogen	CACNA2D2 (NP_006021, 65 a.a. ~ 162 a.a) partial recombinant protein with GST tag.
Sequence	PQQHTMQHWARRLEQEVDGVMRIFGGVQQLREIYKDNRNLFEVQENEPQKLVEKVAGDIESLLD RKVQALKRLADAAENFQKAHRWQDNIKEEDIVYY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (96)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.89 KDa) .
Storage Buffer	50 % glycerol
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 — CACNA2D2

Entrez GeneID	9254
GeneBank Accession#	NM_006030
Protein Accession#	NP_006021
Gene Name	CACNA2D2
Gene Alias	CACNA2D, KIAA0558, LUAC11.1
Gene Description	calcium channel, voltage-dependent, alpha 2/delta subunit 2
Omim ID	607082
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. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. 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, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	alpha 2 delta calcium channel subunit|gene 26

Pathway

- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)
- MAPK signaling pathway