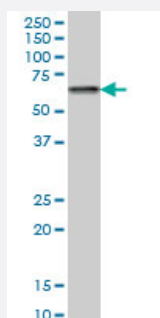


CACNB2 monoclonal antibody (M05), clone 6C4

Catalog # H00000783-M05

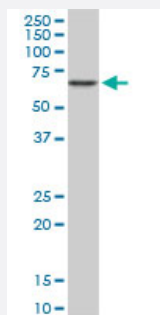
Size 100 ug

Applications



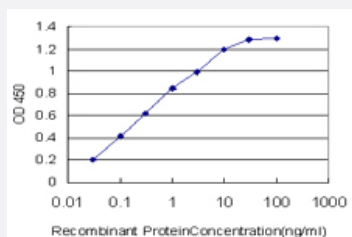
Western Blot (Cell lysate)

CACNB2 monoclonal antibody (M05), clone 6C4 Western Blot analysis of CACNB2 expression in HeLa S3 NE (Cat # L013V3).



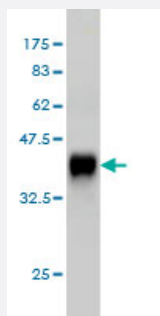
Western Blot (Cell lysate)

CACNB2 monoclonal antibody (M05), clone 6C4. Western Blot analysis of CACNB2 expression in NIH/3T3 (Cat # L018V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNB2 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CACNB2.
Immunogen	CACNB2 (NP_963890, 213 a.a. ~ 301 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PSSRKSTPPSSAIDIDATGLDAEENDIPANHRSPKPSANSVTSPHSKEKRMPPFFKKTEHTPPYDV VPSMRPVVLVGPSLKGYEVTMMQ
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CACNB2 monoclonal antibody (M05), clone 6C4 Western Blot analysis of CACNB2 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

CACNB2 monoclonal antibody (M05), clone 6C4. Western Blot analysis of CACNB2 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CACNB2 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CACNB2

Entrez GeneID	783
GeneBank Accession#	NM_201596
Protein Accession#	NP_963890
Gene Name	CACNB2
Gene Alias	CACNLB2, CAVB2, FLJ23743, MYSB
Gene Description	calcium channel, voltage-dependent, beta 2 subunit
Omim ID	600003
Gene Ontology	Hyperlink
Gene Summary	voltage-dependent
Other Designations	OTTHUMP00000019254 OTTHUMP00000019255 OTTHUMP00000019256 OTTHUMP00000196786 myasthenic (Lambert-Eaton) syndrome antigen B

Publication Reference

- [Decrease in the density of t-tubular L-type Ca²⁺ channel currents in failing ventricular myocytes.](#)

Horiuchi-Hirose M, Kashiwara T, Nakada T, Kurebayashi N, Shimojo H, Shibasaki T, Sheng X, Yano S, Hirose M, Hongo M, Sakurai T, Moriizumi T, Ueda H, Yamada M.

American Journal of Physiology. Heart and Circulatory Physiology 2011 Mar; 300(3):H978.

Application: WB-Ti, Mouse, Mouse hearts

- [Role of glycine residues highly conserved in the S2-S3 linkers of domains I and II of voltage-gated calcium channel alpha1 subunits.](#)

Teng J, Iida K, Ito M, Izumi-Nakaseko H, Kojima I, Adachi-Akahane S, Iida H.

Biochimica et Biophysica Acta 2010 May; 1798(5):966.

Application: WB-Tr, Human, tsA201 cells

Pathway

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

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Migraine without Aura](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)