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CACNB2 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant CACNB2.
Catalog # AT1368a

Specification

CACNB2 Antibody (monoclonal) (M05) - Product Information

Application	**WB, E**
Primary Accession	Q08289
Other Accession	NM_201596
Reactivity	**Human, Mouse**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**73581**

CACNB2 Antibody (monoclonal) (M05) - Additional Information

Gene ID 783

Other Names
Voltage-dependent L-type calcium channel subunit beta-2, CAB2, Calcium channel voltage-dependent subunit beta 2, Lambert-Eaton myasthenic syndrome antigen B, MYSB, CACNB2, CACNLB2, MYSB

Target/Specificity
CACNB2 (NP_963890, 213 a.a. ~ 301 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
CACNB2 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

CACNB2 Antibody (monoclonal) (M05) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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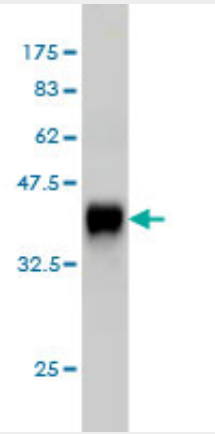
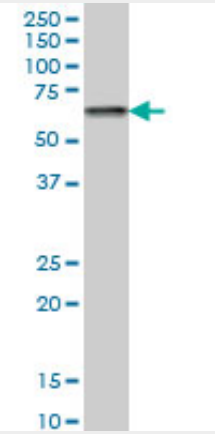
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

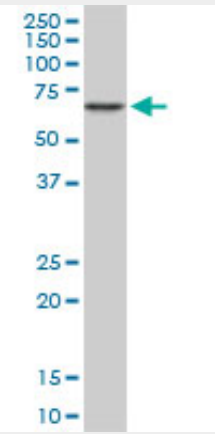
CACNB2 Antibody (monoclonal) (M05) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



CACNB2 monoclonal antibody (M05), clone 6C4 Western Blot analysis of CACNB2 expression in Hela S3 NE ((Cat # AT1368a)



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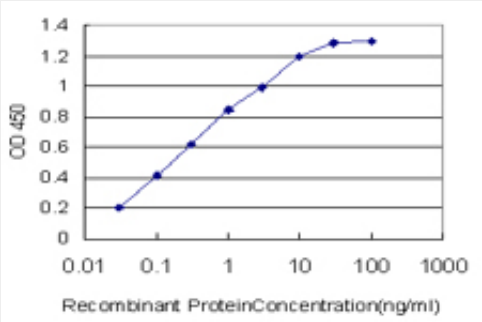
CACNB2 monoclonal antibody (M05), clone 6C4. Western Blot analysis of CACNB2 expression in NIH/3T3 ((Cat # AT1368a)



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

CACNB2 Antibody (monoclonal) (M05) - Background

This gene encodes a subunit of a voltage-dependent calcium channel protein which is a member of the voltage-gated calcium channel superfamily. The gene product was originally identified as an antigen target in Lambert-Eaton myasthenic syndrome which is an autoimmune disorder. Mutations in this gene are associated with Brugada symdrome. Alternatively spliced variants have been identified for this gene.

CACNB2 Antibody (monoclonal) (M05) - References

1.Decrease in the density of t-tubular L-type Ca2+ channel currents in failing ventricular myocytes.Horiuchi-Hirose M, Kashihara T, Nakada T, Kurebayashi N, Shimojo H, Shibazaki T, Sheng X, Yano S, Hirose M, Hongo M, Sakurai T, Moriizumi T, Ueda H, Yamada M.Am J Physiol Heart Circ Physiol. 2011 Mar;300(3):H978-88. Epub 2010 Dec 30.2.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.BBA-Biomembranes (2010), doi: 10.1016/j.bbamem.2010.01.004