

Product Datasheet

CACNB2 Antibody (6C4) - Azide and BSA Free H00000783-M05

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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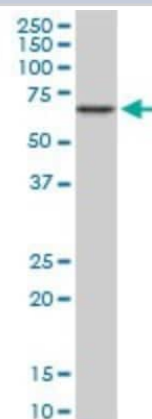
H00000783-M05

CACNB2 Antibody (6C4) - Azide and BSA Free

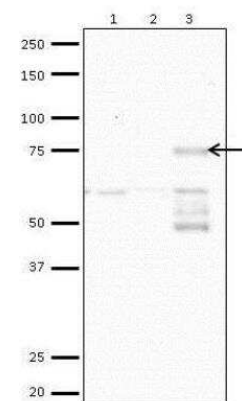
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6C4
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	783
Gene Symbol	CACNB2
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	CACNB2 - calcium channel, voltage-dependent, beta 2 subunit
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. PSSRKSTPPSSAIDIDATGLDAEENDIPANHRSPKPSANSVTSPHSKEKRMPFF KKTEHTPPYDVVPSMRPVVLVGP SLKGYEVT DMMQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

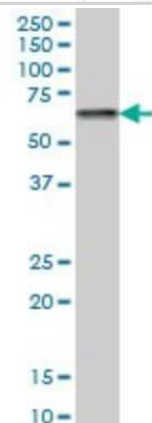
Western Blot: CACNB2 Antibody (6C4) [H00000783-M05] - Analysis of CACNB2 expression in NIH/3T3 (Cat # L018V1).



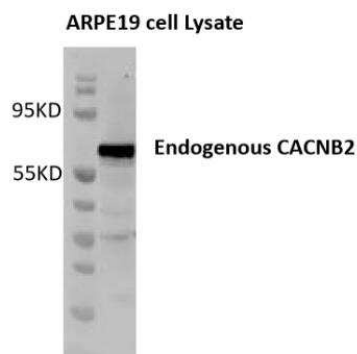
Western Blot: CACNB2 Antibody (6C4) [H00000783-M05] - analysis of CACNB2 in HEK293 and CHO whole cell lysates using anti-CACNB2 antibody. Image from verified customer review.



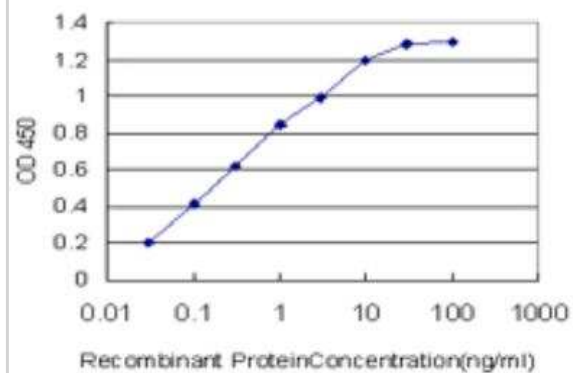
Western Blot: CACNB2 Antibody (6C4) [H00000783-M05] - Analysis of CACNB2 expression in Hela S3 NE (Cat # L013V3).



Western Blot: CACNB2 Antibody (6C4) [H00000783-M05] - Primary antibody dilution-1:1000 in blocking buffer, 5% Milk in TBS-0.05% Tween for 2 hours at RT. Blocking Overnight at +4 degreeC 2 Hours at RT. Secondary antibody: 1:2000 in blocking buffer, 1 hour at RT. Image from verified customer review.



ELISA: CACNB2 Antibody (6C4) [H00000783-M05] - Detection limit for recombinant GST tagged CACNB2 is approximately 0.03ng/ml as a capture antibody.



Publications

Vuori N, Sandholm N, Kumar A et al. CACNB2 is a Novel Susceptibility Gene for Diabetic Retinopathy in Type 1 Diabetes Diabetes 2019-08-22 [PMID: 31439644]

Horiuchi-Hirose M, Kashihara T, Nakada T et al. Decrease in the density of t-tubular L-type Ca²⁺ channel currents in failing ventricular myocytes. Am J Physiol Heart Circ Physiol. 2010-12-30 [PMID: 21193586]

Teng J, Iida K, Ito M et al. Role of glycine residues highly conserved in the S2. Biochim Biophys Acta 1798(5):966-74. 2010-01-01 [PMID: 20067760]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H0000783-M05

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
H0000783-Q01-10ug	Recombinant Human CACNB2 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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