

Product Datasheet

CACNB2 Antibody (N8b/1) - BSA Free NBP1-47607

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-47607

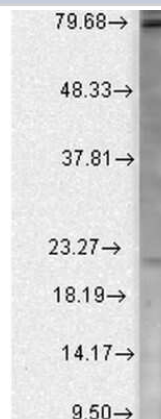
CACNB2 Antibody (N8b/1) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	N8b/1
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	783
Gene Symbol	CACNB2
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 78 kDa. No cross reactivity against CavB1, CavB3, CavB4.
Immunogen	Synthetic peptide amino acids 189-205 of rat CavBeta2
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Microarray
Application Notes	1 ug/ml of Cav beta 2 Antibody was sufficient for detection of CavB2 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

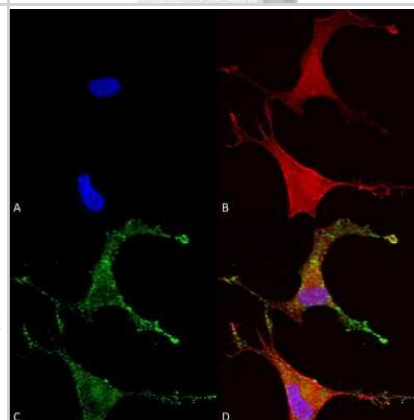


Images

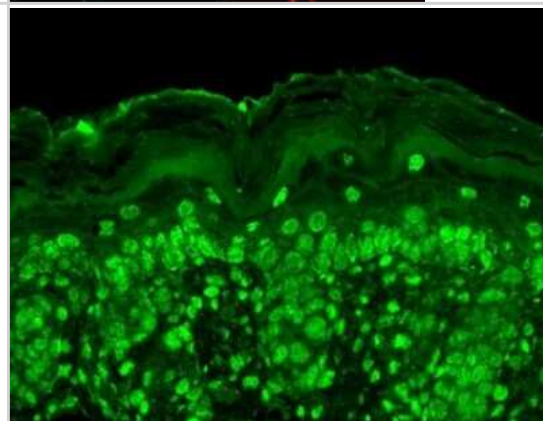
Western Blot: CACNB2 Antibody (N8b/1) [NBP1-47607] - Western Blot analysis of Human Cell line lysates showing detection of Cav Beta2 Calcium Channel protein using Mouse Anti-Cav Beta2 Calcium Channel Monoclonal Antibody, Clone S8b-1 (NBP1-47607). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Cav Beta2 Calcium Channel Monoclonal Antibody (NBP1-47607) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



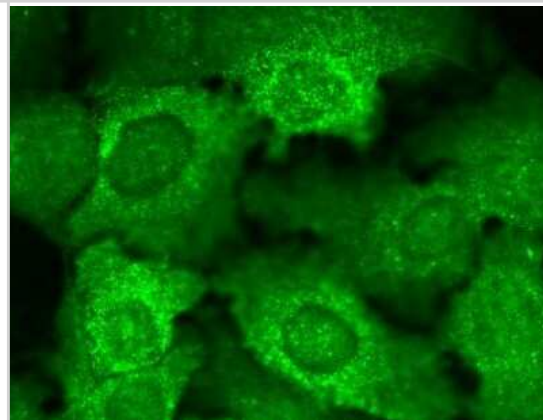
Immunocytochemistry/Immunofluorescence: CACNB2 Antibody (N8b/1) [NBP1-47607] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Cav beta 2 Monoclonal Antibody, Clone S8B-1 (NBP1-47607). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Cav beta 2 Monoclonal Antibody (NBP1-47607) at 1:50 for overnight at 4C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) Cav beta 2 Antibody (D) Composite.



Immunohistochemistry: CACNB2 Antibody (N8b/1) [NBP1-47607] - Immunohistochemistry analysis using Mouse Anti-Cav Beta2 Calcium Channel Monoclonal Antibody, Clone S8b-1 (NBP1-47607). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Cav Beta2 Calcium Channel Monoclonal Antibody (NBP1-47607) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: All nuclei. Some nuclei also staining higher up in epidermis.



Immunocytochemistry/Immunofluorescence: CACNB2 Antibody (N8b/1) [NBP1-47607] - Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol at -20C for 10 minutes. Primary Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: All cells positive. Bright dottiness located throughout cytoplasm and in nuclei. Image courtesy of Dr. Turksen, Ottawa Hospital Research Institute, Canada.





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 NBP1-47607

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00000783-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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