

Product Datasheet

Cav1.3 Antibody (S48) - BSA Free NBP2-12893

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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NBP2-12893

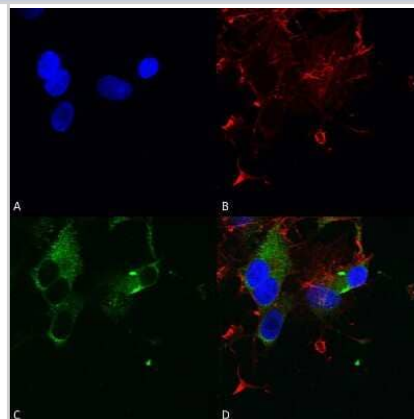
Cav1.3 Antibody (S48) - BSA Free

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	S48
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Description	Novus Biologicals Mouse Cav1.3 Antibody (S48) - BSA Free (NBP2-12893) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Cav1.3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	776
Gene Symbol	CACNA1D
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 250 kDa. No cross-reactivity against Cav1.2.
Immunogen	Fusion protein amino acids 859-875 of rat Cav1.3
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin, Microarray
Application Notes	1 ug/ml of Cav1.3 Antibody was sufficient for detection of Cav1.3 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

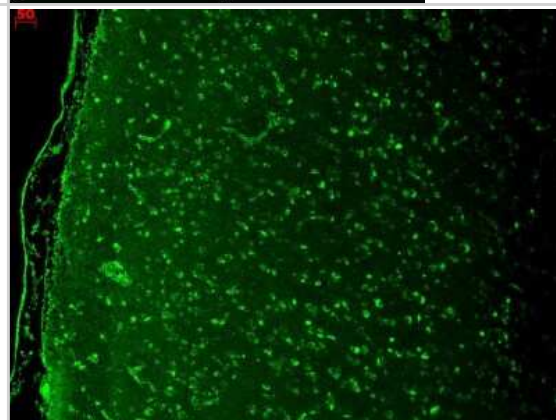


Images

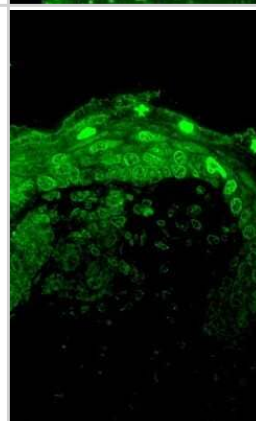
Immunocytochemistry/Immunofluorescence: Cav1.3 Antibody (S48) [NBP2-12893] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Cav1.3 Monoclonal Antibody, Clone S48 (NBP2-12893). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-Cav1.3 Monoclonal Antibody (NBP2-12893) 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) Cav1.3 Antibody (D) Composite.



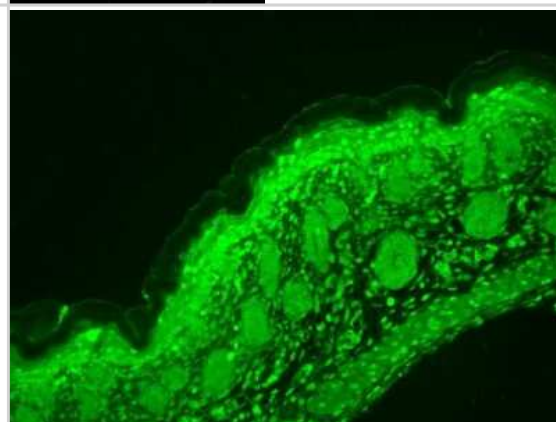
Immunohistochemistry: Cav1.3 Antibody (S48) [NBP2-12893] - Immunohistochemistry analysis using Mouse Anti-Cav1.3 Calcium Channel Monoclonal Antibody, Clone S48 (NBP2-12893). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Cav1.3 Calcium Channel Monoclonal Antibody (NBP2-12893) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunohistochemistry: Cav1.3 Antibody (S48) [NBP2-12893] - IHC analysis of Cav1.3 tested on human hippocampus lysates. Courtesy of Dr. Turksen, Ottawa Hospital Research Institute, Canada.



Immunohistochemistry: Cav1.3 Antibody (S48) [NBP2-12893] - Immunohistochemistry analysis using Mouse Anti-Cav1.3 Calcium Channel Monoclonal Antibody, Clone S48 (NBP2-12893). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Cav1.3 Calcium Channel Monoclonal Antibody (NBP2-12893) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Publications

Sahu G, Wazen RM, Colarusso P et al. Junctophilin Proteins Tether a Cav1-RyR2-KCa3.1 Tripartite Complex to Regulate Neuronal Excitability Cell Rep 2019-08-27 [PMID: 31461656] (ICC/IF, Rat)



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Products Related to NBP2-12893

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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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