

Product Datasheet

HCN2 Antibody (S71-37) - BSA Free NBP2-12895

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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NBP2-12895

HCN2 Antibody (S71-37) - BSA Free

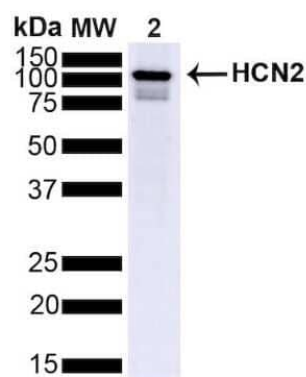
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S71-37
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

Product Description	
Description	Novus Biologicals Mouse HCN2 Antibody (S71-37) - BSA Free (NBP2-12895) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	610
Gene Symbol	HCN2
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 95kDa. No cross-reactivity against HCN1.
Immunogen	Fusion protein amino acids 761-863 of rat HCN2

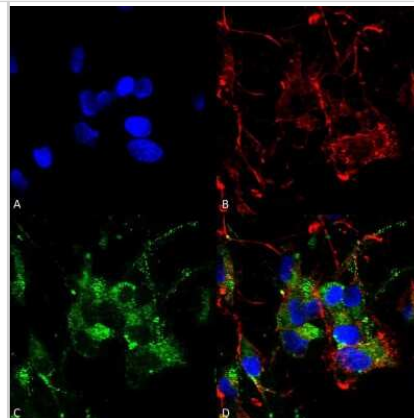
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Frozen 1:10-1:500, Microarray
Application Notes	1 ug/ml of HCN2 Antibody was sufficient for detection of HCN2 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

Images

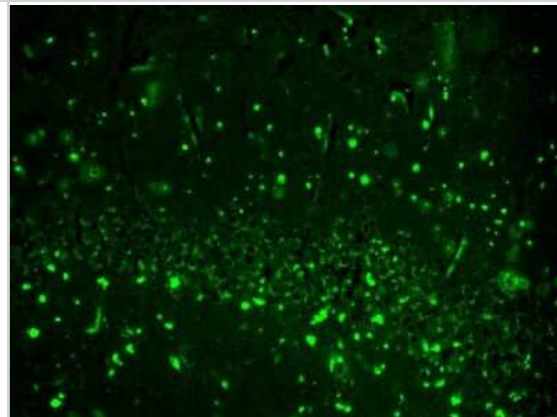
Western Blot: HCN2 Antibody (S71-37) [NBP2-12895] - Western Blot analysis of Mouse Brain showing detection of ~95 kDa HCN2 protein using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Lane 1: MW Ladder. Lane 2: Mouse Brain (15 ug). Load: 15 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-mouse IgG:HRP at 1:4000 for 1 hour at RT with shaking. Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: ~95 kDa.



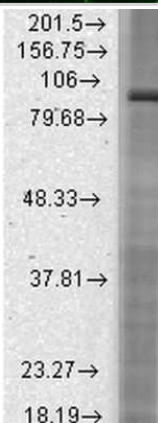
Immunocytochemistry/Immunofluorescence: HCN2 Antibody (S71-37) [NBP2-12895] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) 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) HCN2 Antibody (D) Composite.



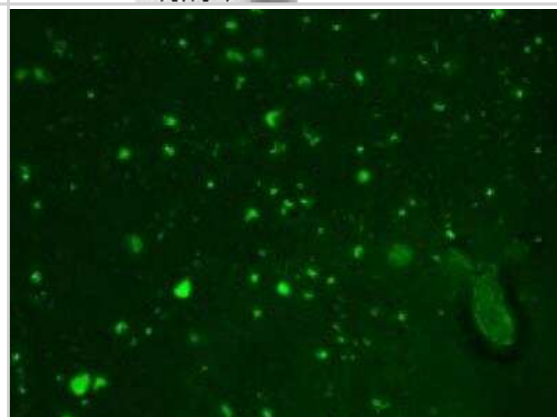
Immunohistochemistry: HCN2 Antibody (S71-37) [NBP2-12895] - Immunohistochemistry analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



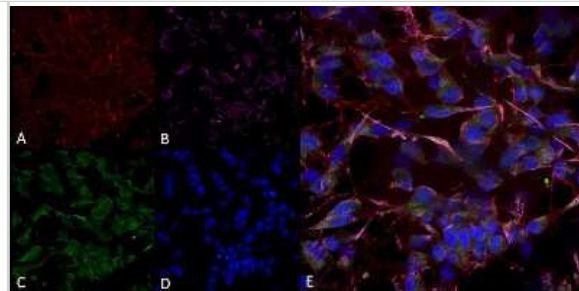
Western Blot: HCN2 Antibody (S71-37) [NBP2-12895] - Western Blot analysis of Rat brain membrane lysate showing detection of HCN2 protein using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



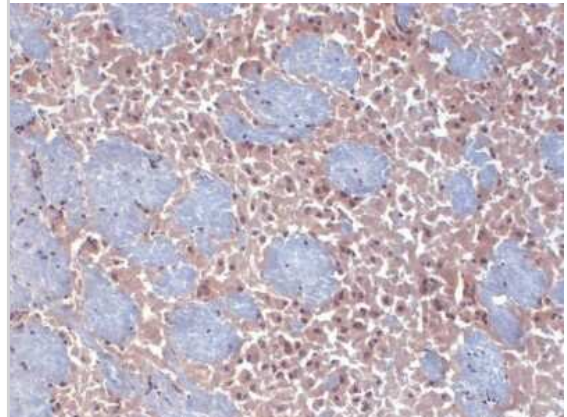
Immunocytochemistry/Immunofluorescence: HCN2 Antibody (S71-37) [NBP2-12895] - Human hippocampal tissues. Courtesy of Dr. Turksen, Ottawa Hospital Research Institute, Canada.



Immunocytochemistry/Immunofluorescence: HCN2 Antibody (S71-37) [NBP2-12895] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71-37 (NBP2-12895). Tissue: Differentiated SH-SY5Y. Species: Human. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) at 1:100. Secondary Antibody: AlexaFluor 488. Counterstain: phalloidin (Alexa 647, red), beta tubulin (Anti-beta III Tubulin Ab, Alexa 555, magenta) Hoechst (blue). (A) Phalloidin (B) Anti-beta III Tubulin Ab. (C) HCN2 Antibody. (D) Hoechst (E) Composite.



Immunohistochemistry: HCN2 Antibody (S71-37) [NBP2-12895] - Immunohistochemistry analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Tissue: frozen brain section. Species: mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895) at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 I for 5 minutes at RT.





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Products Related to NBP2-12895

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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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