

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

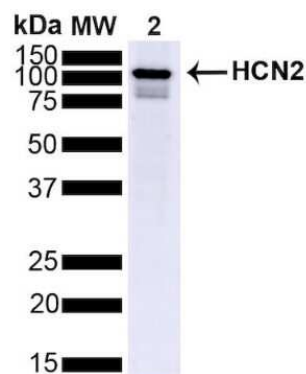
Host	Mouse
Gene ID	610
Gene Symbol	HCN2
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 95kDa. No cross-reactivity against HCN1.
Immunogen	Fusion protein amino acids 761-863 of rat HCN2

Product Application Details

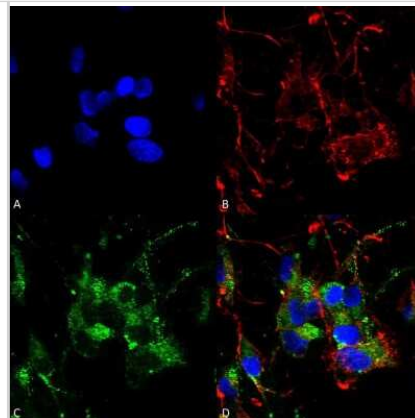
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Frozen 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

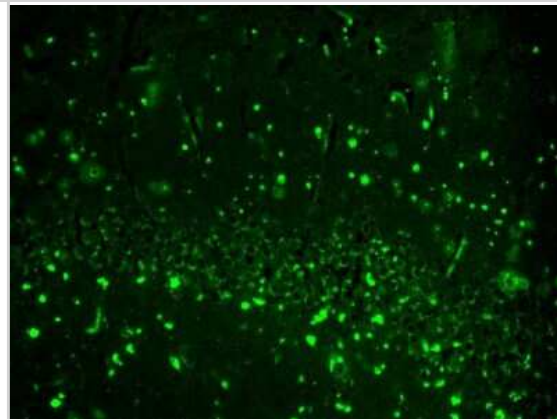
Western Blot: HCN2 Antibody (S71-37) [NBP2-12895] - Western Blot analysis of Mouse Brain showing detection of ~95 kDa HCN2 protein using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Lane 1: MW Ladder. Lane 2: Mouse Brain (15 ug). Load: 15 ug. Block: 5% Skim Milk powder in TBST. Primary 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.



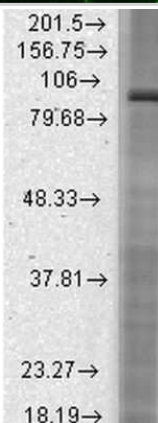
Immunocytochemistry/Immunofluorescence: HCN2 Antibody (S71-37) [NBP2-12895] - Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse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



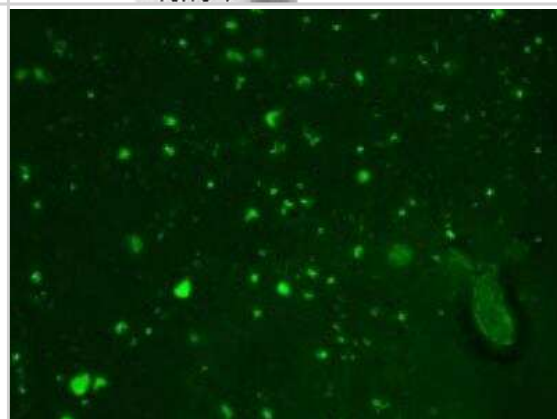
Immunohistochemistry: HCN2 Antibody (S71-37) [NBP2-12895] - Immunohistochemistry analysis using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody (NBP2-12895)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



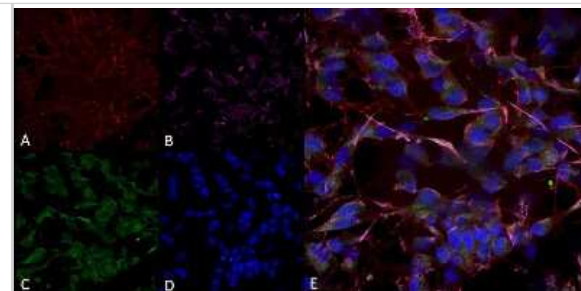
Western Blot: HCN2 Antibody (S71-37) [NBP2-12895] - Western Blot analysis of Rat brain membrane lysate showing detection of HCN2 protein using Mouse Anti-HCN2 Monoclonal Antibody, Clone S71 (NBP2-12895). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HCN2 Monoclonal Antibody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



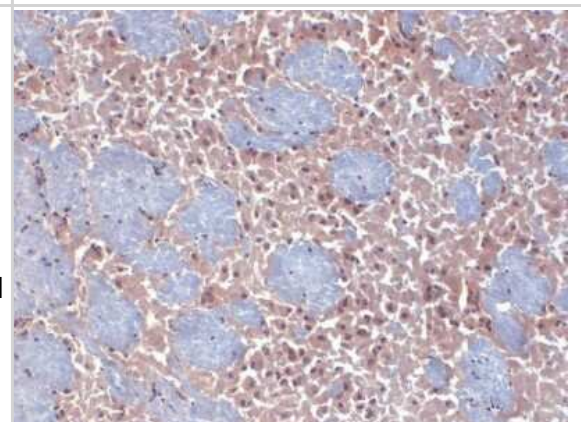
Immunocytochemistry/Immunofluorescence: HCN2 Antibody (S71-37) [NBP2-12895] - Human hippocampal tissues. Courtesy of Dr. Turksen, Ottawa Hospital Research Institute, Canada.



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

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)
NBP2-08224	HCN2 Overexpression Lysate

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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