

# Product Datasheet

## HCN1 Antibody (S70) - BSA Free NBP1-22450

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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### Publications: 1

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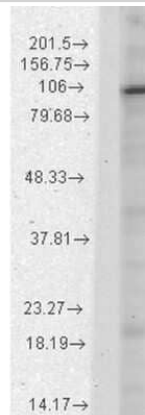
**NBP1-22450**

HCN1 Antibody (S70) - BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S70
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS (pH 7.4), 50% Glycerol
Product Description	
<b>Description</b>	Novus Biologicals Mouse HCN1 Antibody (S70) - BSA Free (NBP1-22450) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-HCN1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	348980
<b>Gene Symbol</b>	HCN1
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Detects approx. 100 kDa. No cross-reactivity against HCN2.
<b>Immunogen</b>	Fusion protein amino acids 778-910 (C terminus) of rat HCN1
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Microarray
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Microarray
<b>Application Notes</b>	1 ug/mL of HCN1 Antibody was sufficient for detection of HCN1 in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

## Images

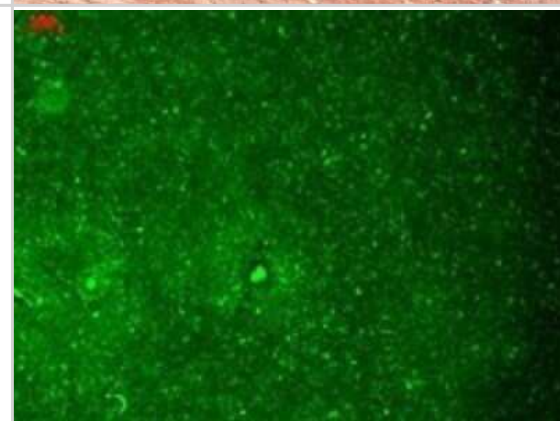
**Western Blot: HCN1 Antibody (S70) [NBP1-22450]** - Western Blot analysis of Rat brain membrane lysate showing detection of HCN1 protein using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



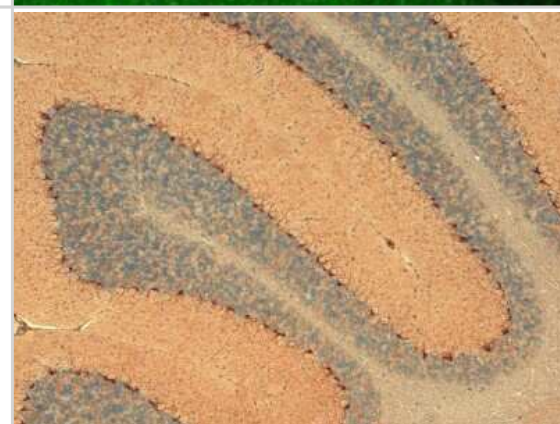
**Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450]** - Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Tissue: Frozen brain section. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450) 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. Localization: Neurons.



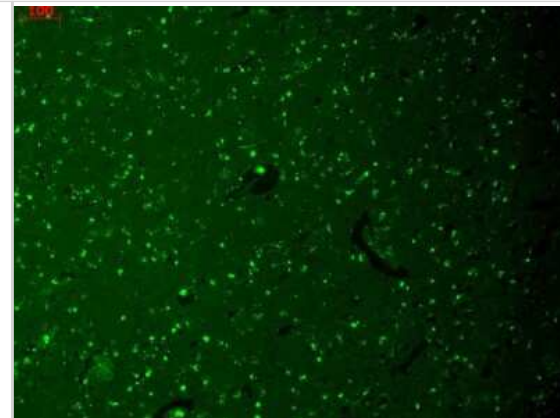
**Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450]** - Human Hippocampus



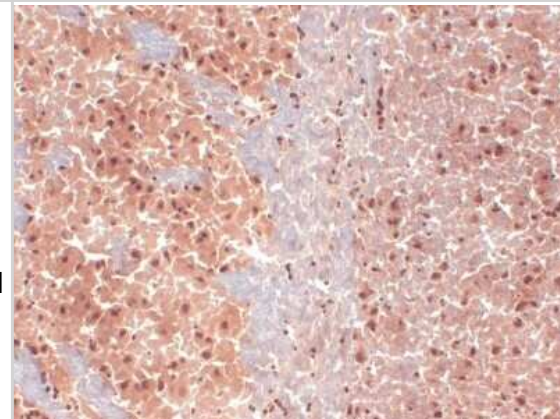
**Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450]** - Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Tissue: Cerebellum. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450) 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. Localization: Cytoplasmic staining of Purkinje cells.



Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450] - Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Tissue: hippocampus. Species: Human. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450) at 1:1000 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450] - Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Tissue: Frozen brain section. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450) 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.



## Publications

Tulika Gupta, Mandeep Kaur, Daisy Sahni Identification of novel pulmonary vein nodes as generators of ectopic arrhythmic foci for atrial fibrillation: an immunohistochemical proof. Surgical and radiologic anatomy : SRA 2022-01-17 [PMID: 34994828]



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### **Products Related to NBP1-22450**

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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)

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### **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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