

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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NBP1-22450

HCN1 Antibody (S70) - 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 | S70 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG1 |
| Purity | Protein G purified |
| Buffer | PBS (pH 7.4), 50% Glycerol |

| Product Description | |
|-------------------------|---|
| Host | Mouse |
| Gene ID | 348980 |
| Gene Symbol | HCN1 |
| Species | Human, Mouse, Rat |
| Specificity/Sensitivity | Detects approx. 100 kDa. No cross-reactivity against HCN2. |
| Immunogen | Fusion protein amino acids 778-910 (C terminus) of rat HCN1 |

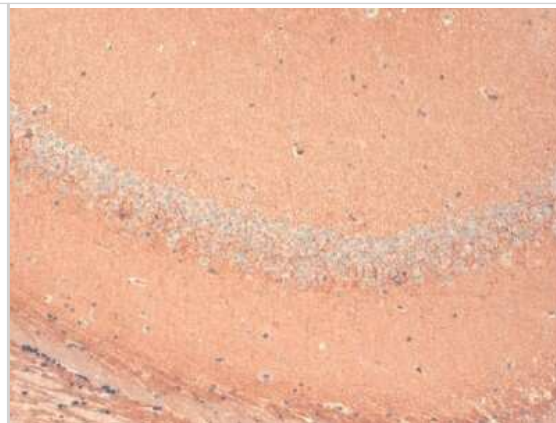
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray |
| Recommended Dilutions | Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Microarray |
| Application Notes | 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

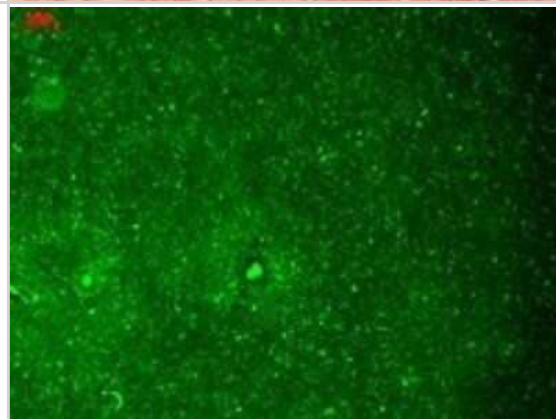
Western Blot: HCN1 Antibody (S70) [NBP1-22450] - Western Blot analysis of Rat brain membrane lysate showing detection of HCN1 protein using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody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



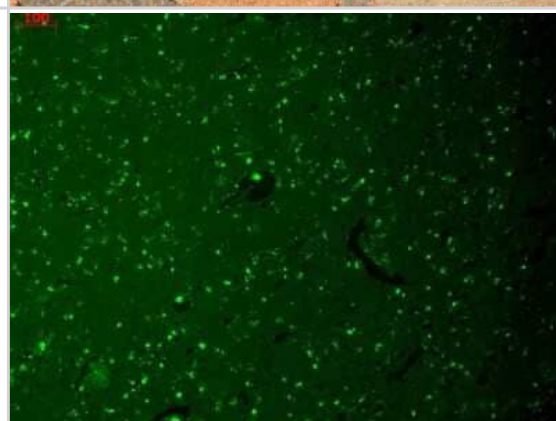
Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450] - Human Hippocampus



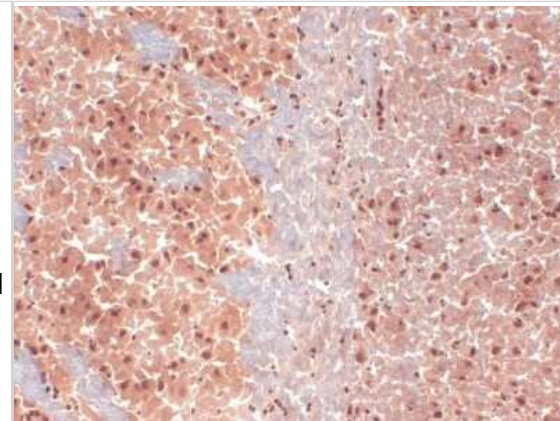
Immunohistochemistry: HCN1 Antibody (S70) [NBP1-22450] - Immunohistochemistry analysis using Mouse Anti-HCN1 Monoclonal Antibody, Clone S70 (NBP1-22450). Tissue: Cerebellum. Species: Mouse. Fixation: 10% Formalin Solution for 12-24 hours at RT. Primary Antibody: Mouse Anti-HCN1 Monoclonal Antibody (NBP1-22450)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

| | |
|------------------|---|
| 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) |
| NBP2-14084PEP | HCN1 Recombinant Protein Antigen |

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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