

Product Datasheet

HCN1 Antibody NBP1-20250-0.025ml

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 6

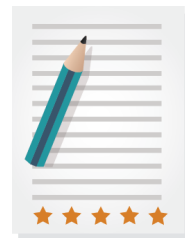
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NBP1-20250-0.025ml**HCN1 Antibody**

Product Information	
Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

Product Description	
Description	Novus Biologicals Sheep HCN1 Antibody (NBP1-20250) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-HCN1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Sheep
Gene ID	348980
Gene Symbol	HCN1
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide from cytoplasmic region of human HCN1 conjugated to an immunogenic carrier protein was used as the immunogen. The antigen is homologous in many species including mouse and rat.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:300-1:2000, Immunohistochemistry 1:300-1:2000, Immunocytochemistry/ Immunofluorescence
Application Notes	Immunohistochemistry and Western Blot. Although not tested this antibody may be useful in Immunohistochemistry-Paraffin/Frozen. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID:31923455).



Publications

Luo P, Fu X, Chang M et al. Cerebral ischemia-reperfusion causes a down regulation of HCN1 expression via enhancing the nuclear NRSF-HDAC4 gathering that contributes to neuron damage Brain Res. Bull. 2020-01-07 [PMID: 31923455] (ICC/IF, WB, Rat)

Zhou M, Lin K, Si Y et al. Downregulation of HCN1 channels in hippocampus and prefrontal cortex in methamphetamine re-exposed mice with enhanced working memory Physiol Res 2018-10-23 [PMID: 30433806] (WB, Mouse)

Luo P, Chen C, Lu Y et al. Baclofen ameliorates spatial working memory impairments induced by chronic cerebral hypoperfusion via up-regulation of HCN2 expression in the PFC in rats. Behav. Brain Res. 2016-04-13 [PMID: 27085590] (WB, Rat)

Luo P, Lu Y, Li C et al. Long-lasting spatial learning and memory impairments caused by chronic cerebral hypoperfusion associate with a dynamic change of HCN1/HCN2 expression in hippocampal CA1 region. Neurobiol Learn Mem 2015-05-28 [PMID: 26021557]

Zhou M, Luo P, Lu Y et al. Imbalance of HCN1 and HCN2 expression in hippocampal CA1 area impairs spatial learning and memory in rats with chronic morphine exposure. Prog. neuropsychopharmacol. Biol. Psychiatry. 2014-10-07 [PMID: 25301101] (WB, Rat)

Li CJ, Lu Y, Zhou M et al. Activation of GABAB Receptors Ameliorates Cognitive Impairment via Restoring the Balance of HCN1/HCN2 Surface Expression in the Hippocampal CA1 Area in Rats With Chronic Cerebral Hypoperfusion. Mol. Neurobiol. 2014-05-18 [PMID: 24838625] (WB, Rat)





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Products Related to NBP1-20250-0.025ml

HAF016	Donkey anti-Sheep IgG Secondary Antibody [HRP]
NL010	Donkey anti-Sheep IgG Secondary Antibody [NL557]
NBP1-97055-10mg	Sheep IgG Isotype Control
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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