

# Product Datasheet

## CHX10 Antibody - BSA Free

### NBP1-84476

Unit Size: 0.1 ml

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

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#### Publications: 9

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Updated 9/9/2025 v.20.1

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**NBP1-84476**

CHX10 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

<b>Description</b>	Novus Biologicals Rabbit CHX10 Antibody - BSA Free (NBP1-84476) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CHX10 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	338917
<b>Gene Symbol</b>	VSX2
<b>Species</b>	Human, Rat
<b>Marker</b>	pan-Bipolar Cell Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LGLNKEPPSSHPRAALDGLAPGHLLAARSVLSPAGVGGMGLLGPGGLPGFYT QPTFLEVLSDPQSVHLQPLGRASGPLDTSQTASSDSEDVSSSDRKMSKSALN QTKKRKKRRHRTIFTSYQLEELEKAFNEAH

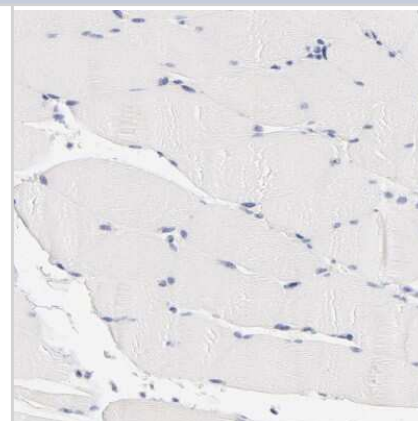
**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

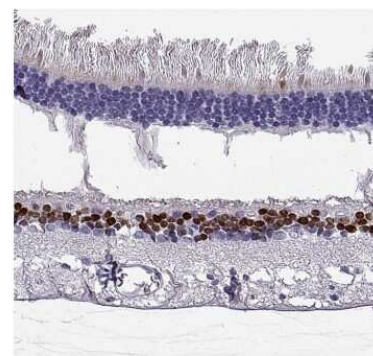


## Images

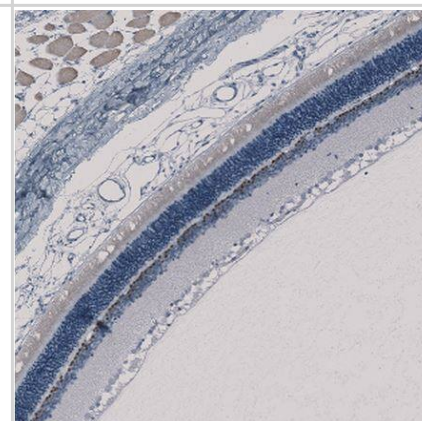
Immunohistochemistry-Paraffin: CHX10 Antibody [NBP1-84476] - Staining of human skeletal muscle shows no nuclear positivity in myocytes as expected.



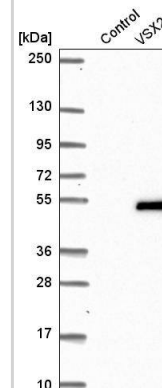
Immunohistochemistry-Paraffin: CHX10 Antibody [NBP1-84476] - Staining of human retina shows strong nuclear positivity in inner nuclear layer.



Immunohistochemistry-Paraffin: CHX10 Antibody [NBP1-84476] - Staining of rat eye shows moderate to strong nuclear positivity in inner nuclear layer.



Analysis in control (vector only transfected HEK293T lysate) and vSX2 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells, LY405387).



## Publications

Z Geng, PJ Walsh, V Truong, C Hill, M Ebeling, RJ Kapphahn, SR Montezuma, C Yuan, H Roehrich, DA Ferrington, JR Dutton Generation of retinal pigmented epithelium from iPSCs derived from the conjunctiva of donors with and without age related macular degeneration PLoS ONE, 2017-03-10;12(3):e0173575. 2017-03-10 [PMID: 28282420] (Immunocytochemistry/ Immunofluorescence, Human)

Joshua Hahn, Aboozar Monavarfeshani, Mu Qiao, Allison H. Kao, Yvonne Kölsch, Ayush Kumar, Vincent P. Kunze, Ashley M. Rasys, Rose Richardson, Joseph B. Wechselblatt, Herwig Baier, Robert J. Lucas, Wei Li, Markus Meister, Joshua T. Trachtenberg, Wenjun Yan, Yi-Rong Peng, Joshua R. Sanes, Karthik Shekhar Evolution of neuronal cell classes and types in the vertebrate retina Nature 2023-12-13 [PMID: 38092908]

Hahn J, Monavarfeshani A, Qiao M et al. Evolution of neuronal cell classes and types in the vertebrate retina bioRxiv : the preprint server for biology 2023-04-08 [PMID: 37066415] (IHC-Fr, Human)

Details:

Dilution: 1:50

Xu Z, Bai S, Wu H, Fang M Elevated retinal retinol-binding protein 4 levels in diabetic mice can induce retinal neurodegeneration through microglia Microscopy research and technique 2022-11-10 [PMID: 36354743]

Ke Y, Fan X, Hao R, et al. Human embryonic stem cell-derived extracellular vesicles alleviate retinal degeneration by upregulating Oct4 to promote retinal Müller cell retrodifferentiation via HSP90 Stem cell research & therapy 2021-01-07 [PMID: 33413616] (ICC/IF)

Ho R, Workman MJ, Mathkar P et al. Cross-Comparison of Human iPSC Motor Neuron Models of Familial and Sporadic ALS Reveals Early and Convergent Transcriptomic Disease Signatures Cell systems 2020-12-23 [PMID: 33382996]

Shrestha R, Wen YT, Ding DC, Tsai RK et al. Aberrant hiPSCs-Derived from Human Keratinocytes Differentiates into 3D Retinal Organoids that Acquire Mature Photoreceptors. Cells. 2019-03-09 [PMID: 30634512] (ICC/IF, Human)

Li Y, He X, Li J et al. Proliferation and differentiation of direct co-culture of bone marrow mesenchymal stem cells and pigmented cells from the ciliary margin Mol Med Rep 2017-01-01 [PMID: 28440470] (ICC/IF, Rat)

Bejjani A, Choi MR, Cassidy L et al. RB116: An RB1+ retinoblastoma cell line expressing primitive markers. Mol Vis 2012-01-01 [PMID: 23233783] (ICC/IF, Human)





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### **Products Related to NBP1-84476**

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NBP1-84476PEP	CHX10 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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