

Product Datasheet

S Opsin Antibody - Azide and BSA Free NBP1-20194

Unit Size: 0.5 mg

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

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NBP1-20194

S Opsin Antibody - Azide and BSA Free

Product Information	
Unit Size	0.5 mg
Concentration	LYOPH mg/ml
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 0.5 mg size in 0.5 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the 0.1 mg size is provided in reconstituted format.
Isotype	IgG
Purity	Ammonium sulfate precipitation
Buffer	Lyophilized from PBS

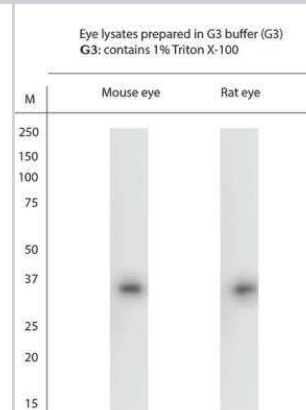
Product Description	
Host	Rabbit
Gene ID	611
Gene Symbol	OPN1SW
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide from human OPSB conjugated to blue carrier protein was used as the antigen.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 10-50 ug/ml, Immunohistochemistry 10-50 ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Use in ICC/IF reported in scientific literature (PMID:32716032).

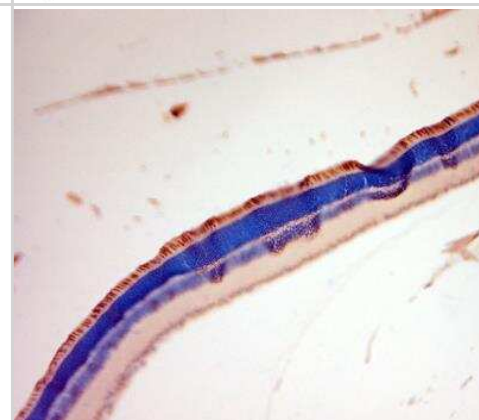


Images

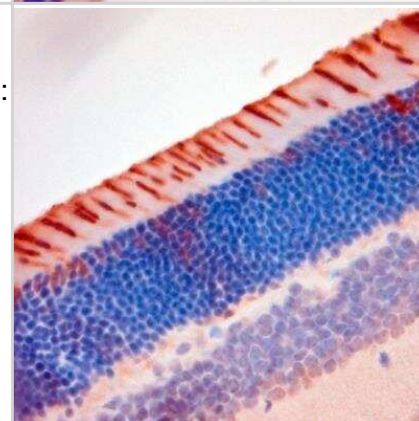
Western Blot: S Opsin Antibody [NBP1-20194] - WB on tissue lysates. Blocking with 1% LFDM for 30 min at RT; Primary antibody used at 1:500 dilution, incubated overnight at 4C.



Immunohistochemistry-Paraffin: S Opsin Antibody [NBP1-20194] - Sections of mouse eye. Tris-EDTA, pH 9 for 20 min using Thermo PT Module. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. dilution 1: 500, incubated 30 min at RT using Autostainer. Sections were counterstained with Harris Hematoxylin.



Immunohistochemistry-Paraffin: S Opsin Antibody [NBP1-20194] - Sections of mouse eye. HIER: Tris-EDTA, pH 9 for 20 min using Thermo PT Module. Blocking: 0.2% LFDM in TBST filtered thru 0.2 um. dilution 1: 500, incubated 30 min at RT using Autostainer. Sections were counterstained with Harris Hematoxylin.



Publications

Chen C, Rong Y, Zhuang Y et al. RNA-Seq Analysis Reveals an Essential Role of the cGMP-PKG-MAPK Pathways in Retinal Degeneration Caused by Cep250 Deficiency International Journal of Molecular Sciences 2023-05-16 [PMID: 37240188] (Immunohistochemistry, Functional Assay)

Sun X, Cui Z, Liang Y et al. One-stop assembly of adherent 3D retinal organoids from hiPSCs based on 3D-printed derived PDMS microwell platform Biofabrication 2023-04-11 [PMID: 36963105]

Su J, She K, Song L et al. In vivo base editing rescues photoreceptors in a mouse model of retinitis pigmentosa Molecular Therapy - Nucleic Acids 2023-03-01 [PMID: 36910709] (WB, Mouse)

Dezfuly AR, Safaee A, Amirpour N et al. Therapeutic effects of human adipose mesenchymal stem cells and their paracrine agents on sodium iodate induced retinal degeneration in rats Life sciences [PMID: 35469914] (IHC-P, Rat)

Strayve D, Makia MM, Kakakhel M et al. ROM1 contributes to phenotypic heterogeneity in PRPH2-associated retinal disease Hum. Mol. Genet. 2020-07-27 [PMID: 32716032] (ICC/IF)

Sharif AS, Yu D, Loertscher S, Austin R. C8ORF37 is required for photoreceptor outer segment disc morphogenesis by maintaining outer segment membrane protein homeostasis. J. Neurosci. 2018-02-13 [PMID: 29440555] (Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-20194

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-55602PEP	S Opsin 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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