

# Product Datasheet

## OPALIN Antibody - BSA Free

### NBP1-81656

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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#### Publications: 2

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**NBP1-81656**

OPALIN Antibody - BSA Free

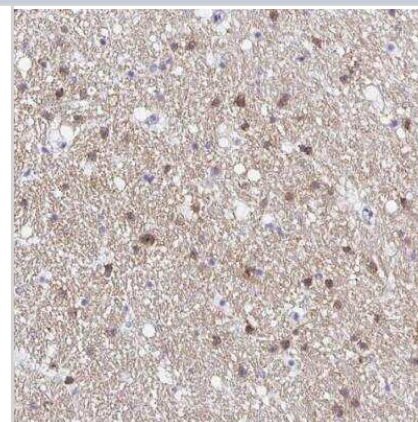
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit OPALIN Antibody - BSA Free (NBP1-81656) is a polyclonal antibody validated for use in IHC. Anti-OPALIN Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	93377
<b>Gene Symbol</b>	OPALIN
<b>Species</b>	Human
<b>Reactivity Notes</b>	Mouse reactivity reported in the scientific literature (PMID: 24920622)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RRRSSIEAMEESDRPCEISEIDDNPKISENPRRSPTHEKNTMGAQEAHIYVKTV AGSEEPVHDIRYRPTIEMERRRGLWWLVPRLSLE

Product Application Details	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Immunohistochemistry-Frozen Reported in scientific literature (PMID: 24920622)
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

Immunohistochemistry-Paraffin: OPALIN Antibody [NBP1-81656] - Staining of human hippocampus shows moderate cytoplasmic positivity in glial cells.



## Publications

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]

Moreno M, Bannerman P, Ma J et al. Conditional Ablation of Astroglial CCL2 Suppresses CNS Accumulation of M1 Macrophages and Preserves Axons in Mice with MOG Peptide EAE. *J. Neurosci.* 2014-06-11 [PMID: 24920622] (IHC-Fr, Mouse)

### Details:

Opalin antibody (NBP1-81656, RRID:AB\_11028865) was used at dilution of 1:2000 for staining 10- to 14- $\mu$ m-thick murine cryosections as - mice perfused with 4% PFA in PBS, tissues cryoprotected in PBS - 30% sucrose and cryostat cut sections blocked with 5% normal serum in PBS for 1 h at room temperature followed by incubation with primary antibody at 4C ON. Figure 6C shows the Opalin fluorescence integrated density (IntDen) within ventral fasciculi of 14  $\mu$ m lumbar spinal cord sections from WT mice injected with CFA without MOG peptide (gray bars), and mGFAPCre/RosaEYFP and mGFAPCre/CCL2flx/flx/RosaEYFP mice injected with MOG peptide (black and white dotted bars, respectively), at 14 and 85 dpi.





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### **Products Related to NBP1-81656**

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NBP1-81656PEP	OPALIN 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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