

# Product Datasheet

## S-arrestin Antibody (S128) - BSA Free NBP2-25161

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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**NBP2-25161**

S-arrestin Antibody (S128) - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	S128
<b>Preservative</b>	5mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	48 kDa

**Product Description**

<b>Description</b>	Novus Biologicals Mouse S-arrestin Antibody (S128) - BSA Free (NBP2-25161) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-S-arrestin Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6295
<b>Gene Symbol</b>	SAG
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine, Equine
<b>Reactivity Notes</b>	Use in Rat reported in scientific literature (PMID:35024589) .
<b>Immunogen</b>	Recombinant bovine S-arrestin with the first 20 amino acids of the C-terminus truncated [UniProt# P08168]

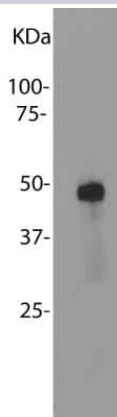
**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Western Blot 1:5000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry-Frozen
<b>Application Notes</b>	Use in Immunohistochemistry-Frozen reported in scientific literature (PMID:35024589). This S-arrestin (S128) antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot, where a band can be seen at ~48 kDa..

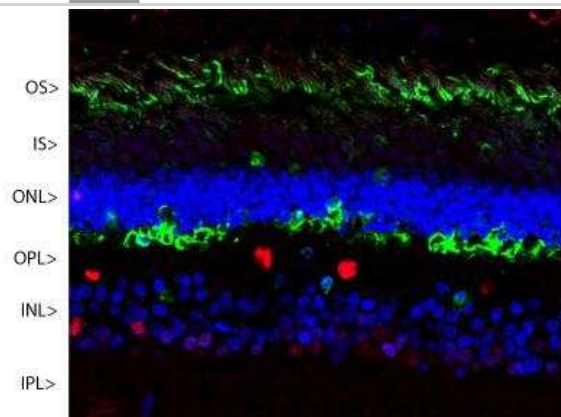


## Images

Western Blot: S-arrestin Antibody (S128) [NBP2-25161] - Blot of bovine retinal extracts. The antibody stains a band corresponding to S-arrestin at about 48 kDa.



Immunocytochemistry/Immunofluorescence: S-arrestin Antibody (S128) [NBP2-25161] - Confocal image of a pig retina stained with NBP2-25161 (green). S-arrestin is most abundant in the outer segments (OS) and inner surface of the outer nuclear layer (ONL), and can be used to identify components of rod photoreceptor cells. (Cone photoreceptors have a different arrestin isotype). Other retinal layers are inner segments (IS), outer plexiform layer (OPL), inner nuclear layer (INL) and inner plexiform layer (IPL). The red stain is Fox2, an RNA binding nuclear protein related to Fox3/NeuN, which stains nuclei of horizontal neurons and some other neurons in the INL and IPL. Nuclear DNA was revealed with DAPI (blue).



## Publications

Yamasaki S, Tu H, Matsuyama T et al. A Genetic modification that reduces ON-bipolar cells in hESC-derived retinas enhances functional integration after transplantation iScience 2022-01-01 [PMID: 35024589] (Immunohistochemistry-Frozen, Rat)



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### **Products Related to NBP2-25161**

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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)
NBP2-55126PEP	S-arrestin Recombinant Protein Antigen

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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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