

# 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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### Publications: 1

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**NBP2-25161**

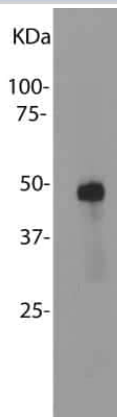
S-arrestin Antibody (S128) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S128
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	48 kDa
Product Description	
Host	Mouse
Gene ID	6295
Gene Symbol	SAG
Species	Human, Mouse, Rat, Porcine, Bovine, Equine
Reactivity Notes	Use in Rat reported in scientific literature (PMID:35024589) .
Immunogen	Recombinant bovine S-arrestin with the first 20 amino acids of the C-terminus truncated [UniProt# P08168]
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry-Frozen
Application Notes	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..

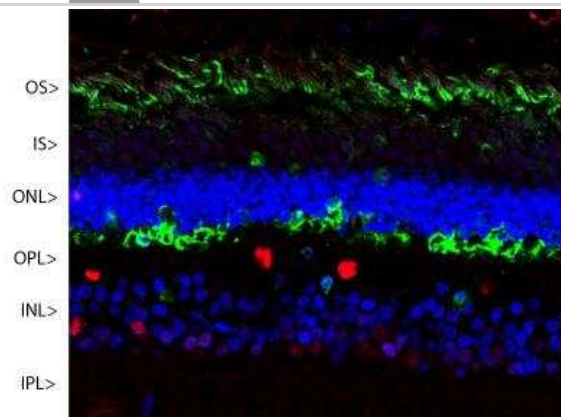


## Images

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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