

Mouse SAG / Arrestin Monoclonal Antibody | anti-SAG antibody

Anti-SAG / Arrestin Antibody (clone S128) IHC-plus

CATALOG # AAA52580	HOST Mouse	REACTIVITY Mouse, Bovine, Rat, Pig, Human	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry
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PRODUCT SYNONYMS

SAG / Arrestin; Monoclonal Antibody; Anti-SAG / Arrestin Antibody (clone S128) IHC-plus; Mouse Monoclonal [clone S128] (IgG1; k) to Human SAG / Arrestin; Human SAG / Arrestin; 48 kDa protein; Arrestin 1; ARRESTIN; S-arrestin; S-AG; Retinal S-antigen; Rod photoreceptor arrestin; S-antigen; RP47; anti-SAG antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Mouse, Bovine, Rat, Pig, Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	S128
Specificity	Clone S128 is known to react with visual arrestin from human, bovine, mouse, pig and rat.
Purity/Purification	Affinity purified
Form/Format	PBS, 10 mM sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	405
Applicable Applications for anti-SAG antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	SAG / Arrestin antibody was raised against raised against recombinant bovine arrestin-1 with the first 20 amino acids of the C-terminus truncated
Immunogen Description	raised against recombinant bovine arrestin-1 with the first 20 amino acids of the C-terminus truncated
Target Species	Human
Preparation and Storage	4 degree C or -20 degree C, Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Blot of bovine retinal extracts probed with SAG / Arrestin antibody. The antibody stains a band corresponding to retinal arrestin at about 48 kDa.



IHC (Immunohistochemistry)

Confocal image of a pig retina stained with SAG / Arrestin antibody (green). Visual 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).



IHC (Immunohistochemistry)

Anti-SAG / Arrestin antibody IHC staining of human retina. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-SAG antibody	SAG Antibody, 48 kDa protein Antibody, Arrestin 1 Antibody, ARRESTIN Antibody, S-arrestin Antibody, S-AG Antibody, Retinal S-antigen Antibody, Rod photoreceptor arrestin Antibody, S-antigen Antibody, RP47 Antibody Description: Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. S-arrestin, also known as S-antigen, is a major soluble photoreceptor protein that is involved in desensitization of the photoactivated transduction cascade.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116008178
NCBI GeneID	6295
NCBI Accession #	NP_000532.2
NCBI GenBank Nucleotide #	NM_000541.4
UniProt Accession #	P10523; Q53SV3; Q99858; A0FDN6
Molecular Weight	45,120 Da
NCBI Official Full Name	S-arrestin
NCBI Official Synonym Full Names	S-antigen; retina and pineal gland (arrestin)
NCBI Official Symbol	SAG
NCBI Official Synonym Symbols	RP47; S-AG
NCBI Protein Information	S-arrestin
UniProt Protein Name	S-arrestin
UniProt Gene Name	SAG
UniProt Synonym Gene Names	S-AG
UniProt Entry Name	ARRS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sag-arrestin-antibody-clone-s128-western-blot-immunofluorescence-immunohistochemistry-elisa/52580>