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PRODUCT DATASHEET

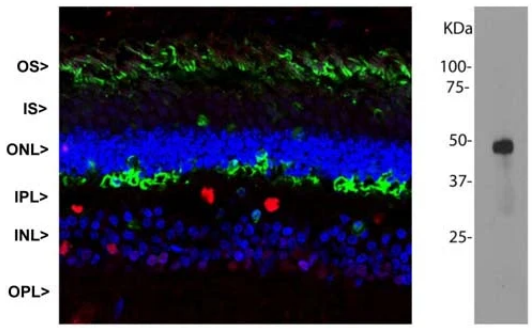
Anti-S-arrestin (S-AG) Antibody

Product Details

Available Variants	100 µg (SKU:M-1796-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	S128
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide.
Production Notes	Protein G purified
Applications	IHC, WB
Dilution Ranges	WB: 1:5000 IHC: 1:1000
Species Reactivity	Bovine, Pig
Immunogen	Recombinant bovine arrestin-1 with the first 20 amino acids of the C-terminus truncated
Specificity	Bovine, reacts with pig. Other species not yet tested. Antibody detects arrestin-1 protein only and does not cross-react with the other 3 arrestin molecules.
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C. After reconstitution divide into aliquots and store at -20°C for long-term storage. Store at 2-8°C short-term (up to 4 weeks) with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
UniProt ID	P08168

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images



Left: **Immunohistochemical** analysis of arrestin-1 distribution in pig retina. Arrestin (green) 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 RNA binding protein FOX2 appears red and immunoreactivity is seen in nuclei of horizontal neurons and some other neurons in the INL and IPL. Nuclear DNA appears blue. Right: **Western blot** analysis of arrestin in bovine retinal extracts. The antibody stains one specific band at 48 kDa, corresponding to retinal arrestin.