www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

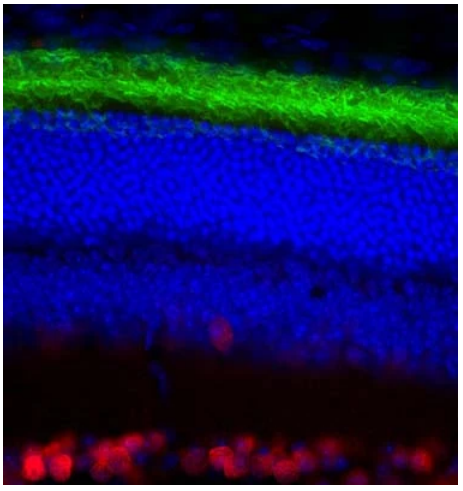
Anti-Rhodopsin Antibody

Product Details

Available Variants	100 µg (SKU:M-1815-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	B630
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, Human, Mouse, Pig, Rat
Immunogen	Purified bovine rhodopsin
Specificity	Bovine, reacts with human, rat, mouse, cow, pig. Expected to react with other mammalian species.
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	P02699 UniProt Summary: Photoreceptor required for image-forming vision at low light

	intensity. Required for photoreceptor cell viability after birth. Light-induced isomerization of the chromophore 11-cis-retinal to all-trans-retinal triggers a conformational change that activates signaling via G-proteins. Subsequent receptor phosphorylation mediates displacement of the bound G-protein alpha subunit by the arrestin SAG and terminates signaling.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	509933

Product Images



Left: Pig retinal section stained for rhodopsin by **Immunohistochemistry** with mouse antibody to Rhodopsin (green). Rhodopsin is most abundant in the rod outer segments (ROS) of retina, clearly localized in rod membranes. The rod inner segments (RIS) and rod nuclei in the outer nuclear layer (ONL) are also seen in this image. Nuclear DNA was stained with DAPI (blue). Right: **Western Blot** of bovine retinal extract probed with mouse antibody to Rhodopsin. The antibody stains a band corresponding to retinal rhodopsin at about 35 kDa. Higher molecular weight bands represent aggregated forms of rhodopsin.

Created on 30. October 2026 | All information without guarantee