

# Product Datasheet

## Rhodopsin Antibody (1D4) [Biotin] NBP1-47602B

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-47602B**

Rhodopsin Antibody (1D4) [Biotin]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1D4
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	Biotin
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	6010
Gene Symbol	RHO
Species	Human, Mouse, Bovine, Vertebrate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28672005).
Specificity/Sensitivity	Detects ~40kDa. Recognizes Rhodopsin (native and recombinant forms). No known reactivity to other proteins. Binds specifically to the C-terminal epitope -T-E-T-S-Q-V-A-P-A-(COOH).
Immunogen	Bovine Rhodopsin
Notes	Proteins containing the epitope tag can be selectively bound to a Rho 1D4 affinity matrix and eluted using an excess of -T-E-T-S-Q-V-A-P-A- peptide under mild conditions.

Product Application Details	
Applications	ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Optimal dilution of this antibody should be experimentally determined.

**Publications**

Lee, TJ;Sasaki, Y;Ruzycki, PA;Ban, N;Lin, JB;Wu, HT;Santeford, A;Apte, RS; Catalytic isoforms of AMP-activated protein kinase differentially regulate IMPDH activity and photoreceptor neuron function JCI insight 2024-01-16 [PMID: 38227383]





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### **Products Related to NBP1-47602B**

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NBP1-96888	Mouse IgG1 Isotype Control (MG1) [Biotin]
NBP2-55553PEP	Rhodopsin Recombinant Protein Antigen
664-LI-025	LIGHT/TNFSF14 [Unconjugated]
NBP2-04162	Rhodopsin Overexpression Lysate

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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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