

Product Datasheet

Rhodopsin Antibody (4D2) NBP1-48334

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 8

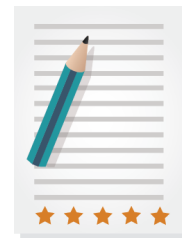
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NBP1-48334**Rhodopsin Antibody (4D2)**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4D2
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4) and 50% Glycerol
Product Description	
Host	Mouse
Gene ID	6010
Gene Symbol	RHO
Species	Mouse, Bovine, Zebrafish
Reactivity Notes	Zebrafish reactivity reported in scientific literature (PMID: 30052645). Based on homology, It is predicted to detect Mammals , Fish , Anchovies , Avian , Amphibians , Shark and Extinct Spiny Shark (Acanthodes bridgei). Use in Mouse reported in secitific publication PMID: 32460314
Specificity/Sensitivity	Detects approx 40kDa. Binds specifically to the N-terminus of Rhodopsin.
Immunogen	N-terminus of Rhodopsin(NP_001014890.1)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen

Publications

Wang T, Yao J, Jia L et al. Loss of alpha-A or alpha B-Crystallin Accelerates Photoreceptor Cell Death in a Mouse Model of P23H Autosomal Dominant Retinitis Pigmentosa International Journal of Molecular Sciences 2021-12-22 [PMID: 35008496] (WB, IF/IHC, Mouse)

Ross BX, Choi J, Yao J et al. Loss of High-Mobility Group Box 1 (HMGB1) Protein in Rods Accelerates Rod Photoreceptor Degeneration After Retinal Detachment Invest. Ophthalmol. Vis. Sci. 2020-05-11 [PMID: 32460314] (IHC-P, Mouse)

Qiu Y, Yao J, Jia L et al. Shifting the balance of autophagy and proteasome activation reduces proteotoxic cell death: a novel therapeutic approach for restoring photoreceptor homeostasis Cell Death Dis 2019-07-18 [PMID: 31320609] (WB, Mouse)

Messchaert M, Dona M, Broekman S et al. Eyes shut homolog is important for the maintenance of photoreceptor morphology and visual function in zebrafish PLoS ONE 2018-07-27 [PMID: 30052645] (IHC-Fr, Zebrafish)

Corral-Serrano JC, Messchaert M, Dona M et al. C2orf71a/pcare1 is important for photoreceptor outer segment morphogenesis and visual function in zebrafish. Sci Rep. 2018-06-26 [PMID: 29946172] (IF/IHC, Zebrafish)

Yao J, Qiu Y, Frontera E et al. Inhibiting autophagy reduces retinal degeneration caused by protein misfolding. Autophagy. 2018-07-13 [PMID: 29940785] (WB, Mouse)

Siuda ER, McCall JG, Al-Hasani R et al. Optodynamic simulation of beta-adrenergic receptor signalling. Nat Commun 2015-09-28 [PMID: 26412387] (WB)

Grison A, Zucchelli S, Urzi A et al. Mesencephalic dopaminergic neurons express a repertoire of olfactory receptors and respond to odorant-like molecules. BMC Genomics. 2014-08-27 [PMID: 25164183] (WB, Human)





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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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