

Product Datasheet

Rhodopsin Antibody (B630) [HRP] NBP2-25160H

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-25160H

Rhodopsin Antibody (B630) [HRP]

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	B630
Preservative	No Preservative
Isotype	IgG1
Conjugate	HRP
Purity	Protein G purified
Buffer	PBS

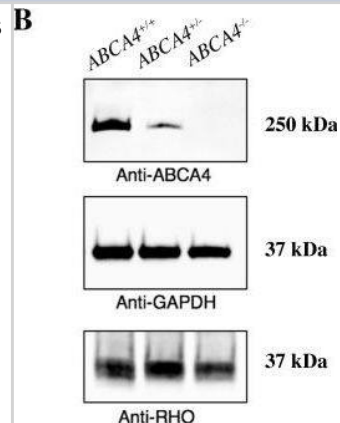
Product Description	
Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	6010
Gene Symbol	RHO
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Equine
Reactivity Notes	Canine reactivity reported in scientific literature (PMID: 30889179).
Immunogen	Purified rhodopsin from bovine retina.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.

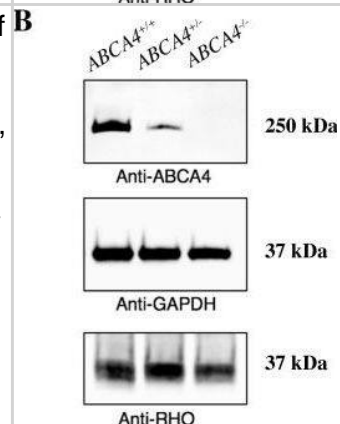


Images

Characterization of ABCA4 mRNA expression and western blot analyses of ABCA4 protein levels in the canine retina. (A) Relative ABCA4 mRNA expression levels by quantitative RT-PCR in three different regions in three dogs with different genotypes (ABCA4^{+/+}, ABCA4^{+/-}, and ABCA4^{-/-}), normalized to GAPDH expression. (B) Western blot analyses of ABCA4 (above), GAPDH (middle), and RHO (below) protein levels in retinal tissue of dogs with the three different genotypes.



Characterization of ABCA4 mRNA expression & western blot analyses of ABCA4 protein levels in the canine retina. (A) Relative ABCA4 mRNA expression levels by quantitative RT-PCR in three different regions in three dogs with different genotypes (ABCA4^{+/+}, ABCA4^{+/-}, & ABCA4^{-/-}), normalized to GAPDH expression. (B) Western blot analyses of ABCA4 (above), GAPDH (middle), & RHO (below) protein levels in retinal tissue of dogs with the three different genotypes. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30889179>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Makelainen, S;Godia, M;Hellsand, M;Viluma, A;Hahn, D;Makdoui, K;Zeiss, CJ;Mellersh, C;Ricketts, SL;Narfstrom, K;Hallbook, F;Ekesten, B;Andersson, G;Bergstrom, TF; An ABCA4 loss-of-function mutation causes a canine form of Stargardt disease PLoS Genet. 2019-03-01 [PMID: 30889179]



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Products Related to NBP2-25160H

NBP1-97074	Mouse IgG1 Isotype Control (MG1) [HRP]
NBP2-55553PEP	Rhodopsin Recombinant Protein Antigen
664-LI-025	LIGHT/TNFSF14 [Unconjugated]
NBP2-04162	Rhodopsin Overexpression Lysate

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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