

# 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**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	B630
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1
<b>Conjugate</b>	HRP
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

**Product Description**

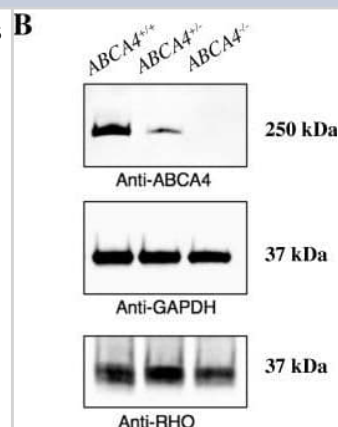
<b>Description</b>	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Host</b>	Mouse
<b>Gene ID</b>	6010
<b>Gene Symbol</b>	RHO
<b>Species</b>	Human, Mouse, Rat, Porcine,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

**Product Application Details**

<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	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<sup>+/+</sup>, ABCA4<sup>+/-</sup>, and ABCA4<sup>-/-</sup>), 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.



## Publications

Makelainen, S;Godia, M;Hellsand, M;Viluma, A;Hahn, D;Makdoumi, K;Zeiss, CJ;Mellersh, C;Ricketts, SL;Narfstrom, K;Hallbook, F;Ekestén, 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**

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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

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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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