

Product Datasheet

RDH5 Antibody NBP1-52047

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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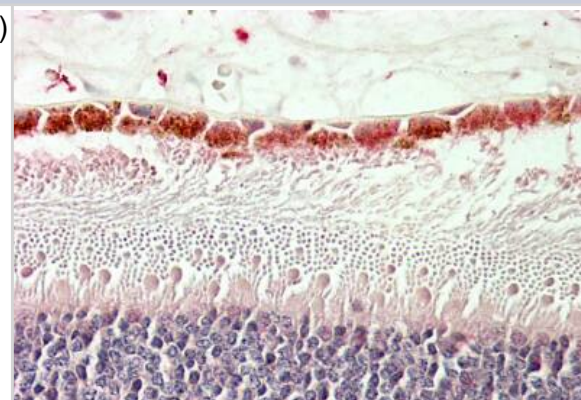
NBP1-52047**RDH5 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Host	Goat
Gene ID	5959
Gene Symbol	RDH5
Species	Human
Immunogen	Peptide with sequence C-RDRQSLPASNAFV corresponding to internal region according to NP_002896.2.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/ml, Immunohistochemistry 5-10 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 5-10 ug/ml, Peptide ELISA Detection limit 1:8000
Application Notes	WB: Preliminary testing showed a band at approx. 32kDa in Human Heart and approx. 35kDa in Human Breast lysate, after 0.3ug/ml antibody staining. (calculated MW of 35.0kDa according to NP_002896.2). Primary incubation 1 hour at room temperature. IHC-P: Human Retina shows staining of the ganglion cell layer.

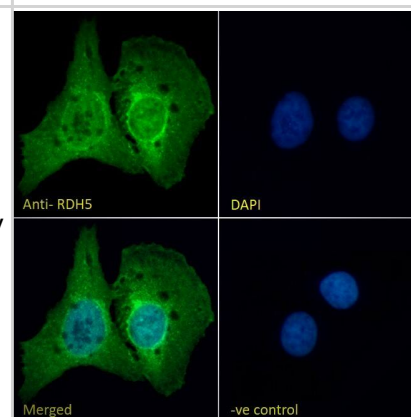


Images

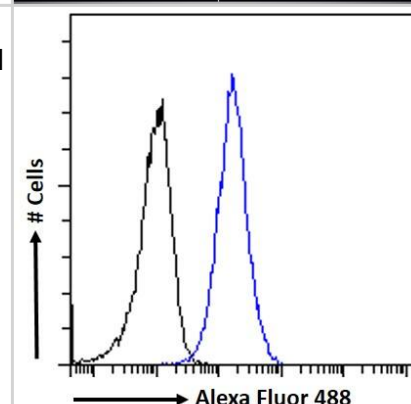
Immunohistochemistry-Paraffin: RDH5 Antibody [NBP1-52047] - (5ug/ml) staining of paraffin embedded Human Retina. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunocytochemistry/Immunofluorescence: RDH5 Antibody [NBP1-52047] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong Endoplasmic Reticulum and weak cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Flow Cytometry: RDH5 Antibody [NBP1-52047] - Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Publications

Sun W, Gu S, Zhang F et al. Congenital cataracts affect the retinal visual cycle and mitochondrial function: A multi-omics study of GJA8 knockout rabbits Journal of proteomics 2023-07-17 [PMID: 37467890] (Western Blot)

Persson B, Kallberg Y, Bray JE et al. The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. Chem Biol Interact 2009-03-16 [PMID: 19027726]



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HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-56636PEP	RDH5 Recombinant Protein Antigen

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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