

RDH5 (aa 19-31) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3225a**Specification**

RDH5 (aa 19-31) Antibody (internal region) - Product Information

Application	IHC, WB
Primary Accession	Q92781
Other Accession	NP_002896.2 , 5959 , 19682 (mouse)
Reactivity	Human, Mouse
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	34979

RDH5 (aa 19-31) Antibody (internal region) - Additional Information**Gene ID** 5959**Other Names**

11-cis retinol dehydrogenase, 11-cis RDH, 11-cis RoDH, 1.1.1.315, 9-cis retinol dehydrogenase, 9cRDH, RDH5, RDH1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RDH5 (aa 19-31) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

RDH5 (aa 19-31) Antibody (internal region) - Protein Information**Name** RDH5 ([HGNC:9940](#))**Function**

Catalyzes the oxidation of cis-isomers of retinol, including 11-cis-, 9-cis-, and 13-cis-retinol in an NAD-dependent manner (PubMed: [11675386](http://www.uniprot.org/citations/11675386), PubMed: [10588954](http://www.uniprot.org/citations/10588954), PubMed: [9931293](http://www.uniprot.org/citations/9931293), PubMed: [9115228](http://www.uniprot.org/citations/9115228)). Has no activity towards all-trans retinal (By similarity). Plays a

significant role in 11-cis retinol oxidation in the retinal pigment epithelium cells (RPE). Also recognizes steroids (androsterone, androstanediol) as its substrates (PubMed:9931293, PubMed:29541409).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein; Luminal side

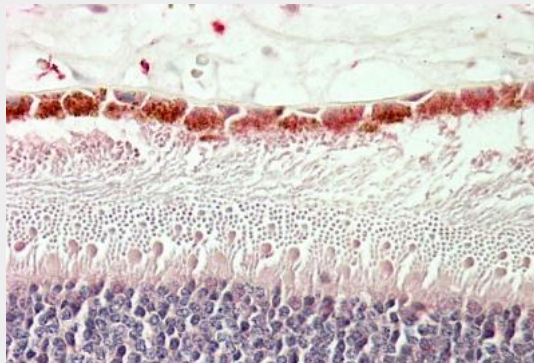
Tissue Location

Widely expressed. In the eye, abundant in the retinal pigment epithelium.

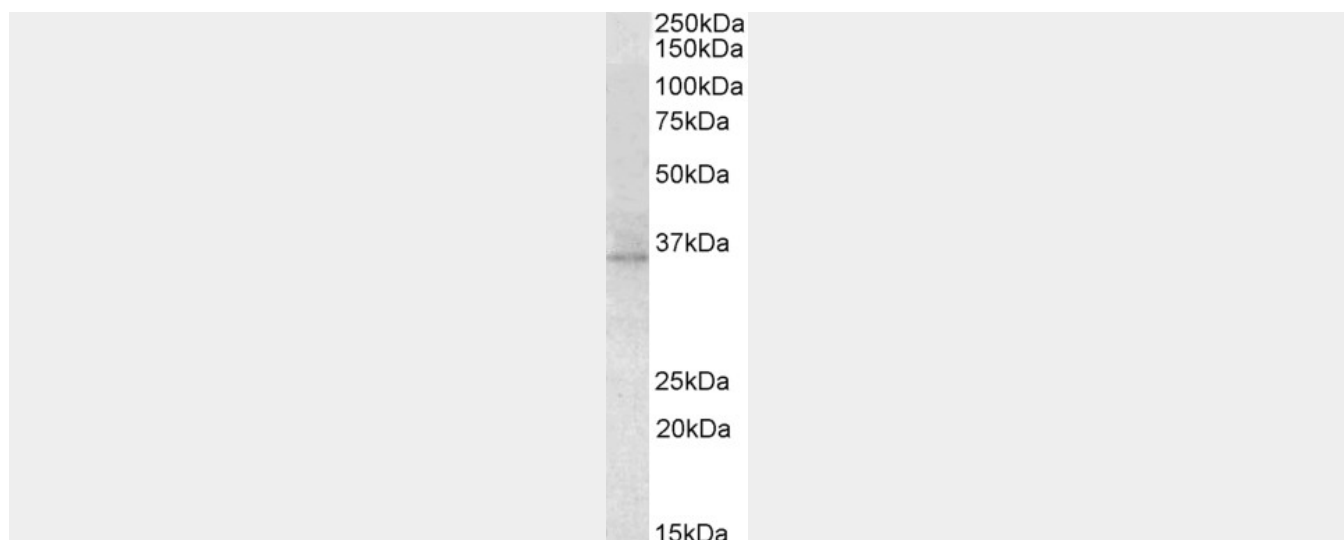
RDH5 (aa 19-31) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RDH5 (aa 19-31) Antibody (internal region) - Images

AF3225a (5 µg/ml) staining of paraffin embedded Human Retina. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF3225a (2 µg/ml) staining of Mouse Eye lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

RDH5 (aa 19-31) Antibody (internal region) - References

The SDR (short-chain dehydrogenase/reductase and related enzymes) nomenclature initiative. Persson B, Kallberg Y, Bray JE, Bruford E, Dellaporta SL, Favia AD, Duarte RG, Jörnvall H, Kavanagh KL, Kedishvili N, Kisiela M, Maser E, Mindnich R, Orchard S, Penning TM, Thornton JM, Adamski J, Oppermann U. *Chemico-biological interactions* 2009 Mar 178 (1-3): 94-8. PMID: 19027726