

RDH5 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3224a**Specification****RDH5 Antibody (internal region) - Product Information**

Application	E
Primary Accession	Q92781
Other Accession	NP_002896.2 , 5959 , 366791 (rat)
Predicted Host	Human, Rat, Cow Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	34979

RDH5 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 Antibody (internal region) is for
research use only and not for use in
diagnostic or therapeutic procedures.**RDH5 Antibody (internal region) - Protein Information****Name** RDH5 ([HGNC:9940](#))**RDH5 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

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, PubMed:10588954, PubMed:9931293, PubMed: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, androstenediol) 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 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](#)