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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	**Human, Rat, Cow**
Host	**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)

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, androstanediol) as its substrates (PubMed:9931293, PubMed:29541409).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein; Lumenal 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 Cytomety
- Cell Culture

RDH5 Antibody (internal region) - Images

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