

RDH11 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP58395**

Specification

RDH11 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession 08TC12 Reactivity Rat, Pig, Dog Host **Rabbit** Clonality **Polyclonal** Calculated MW 35 KDa

Physical State Liquid Immunogen KLH conjugated synthetic peptide derived

from human RDH11

31-130/318 **Epitope Specificity** laG

Isotype **Purity**

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION **Endoplasmic reticulum membrane**; Single-pass type II membrane protein.

Belongs to the short-chain **SIMILARITY**

dehydrogenases/reductases (SDR) family.

Post-translational modifications Not glycosylated.

Important Note This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

The protein encoded by this gene is an NADPH-dependent retinal reductase and a short-chain dehydrogenase/reductase. The encoded protein has no steroid dehydrogenase activity.

RDH11 Polyclonal Antibody - Additional Information

Gene ID 51109

Other Names

Retinol dehydrogenase 11, 1.1.1.300, Androgen-regulated short-chain dehydrogenase/reductase 1, HCV core-binding protein HCBP12, Prostate short-chain dehydrogenase/reductase 1, Retinal reductase 1, RalR1, Short chain dehydrogenase/reductase family 7C member 1, RDH11, ARSDR1, PSDR1, SDR7C1

Target/Specificity

Predominantly expressed in the epithelial cells of prostate, in both basal and luminal secretory cell populations. Expressed at low levels in spleen, thymus, testis, ovary, small intestine, colon, peripherical blood leukocytes, kidney, adrenal gland and fetal liver. Not detected in prostatic fibromuscular stromal cells, endothelial cells, or infiltrating lymphocytes.



Dilution

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<span class ="dilution_WB">WB~~1:1000</span><br \> <span class
="dilution_IHC-P">IHC-P~~N/A</span><br \> <span class
="dilution_IHC-F">IHC-F~~N/A</span><br \> <span class
="dilution_IF">IF~~1:50~200</span><br \> <span class ="dilution_E">E~~N/A</span>
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Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

RDH11 Polyclonal Antibody - Protein Information

Name RDH11

Synonyms ARSDR1, PSDR1, SDR7C1

Function

Retinol dehydrogenase with a clear preference for NADP. Displays high activity towards 9-cis, 11-cis and all-trans-retinol, and to a lesser extent on 13-cis-retinol (PubMed:12036956, PubMed:12226107, PubMed:29410696). Exhibits a low reductive activity towards unsaturated medium-chain aldehydes such as cis -6-nonenal and no activity toward nonanal or 4-hydroxy-nonenal (PubMed:15865448). Has no dehydrogenase activity towards steroid (PubMed:12036956, PubMed:12036956, PubMed:12036956, PubMed:12036956).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein

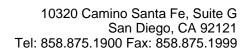
Tissue Location

Predominantly expressed in the epithelial cells of prostate, in both basal and luminal secretory cell populations Expressed at low levels in spleen, thymus, testis, ovary, small intestine, colon, peripherical blood leukocytes, kidney, adrenal gland and fetal liver. Not detected in prostatic fibromuscular stromal cells, endothelial cells, or infiltrating lymphocytes

RDH11 Polyclonal Antibody - 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





RDH11 Polyclonal Antibody - Images