



Rabbit Anti-RDH11 antibody

SL6214R

Product Name:	RDH11
Chinese Name:	视黄醇脱氢酶11/丙型肝炎病毒核心蛋白抗体
Alias:	CGI 82; RALR1; Androgen regulated short chain dehydrogenase/reductase 1; ARSDR1; HCBP12; HCV core binding protein; HCV core binding protein HCBP12; MDT1; Prostate short chain dehydrogenase/reductase 1; PSDR1; Retinal reductase 1; retinol dehydrogenase 11 (all trans/9 cis/11 cis); Retinol dehydrogenase 11; SCALD; SDR7C1; Short chain dehydrogenase/reductase family 7C, member 1; RDH11 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RDH11:31-130/318
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

Exhibits an oxidoreductive catalytic activity towards retinoids. Most efficient as an NADPH-dependent retinal reductase. Displays high activity towards 9-cis and all-trans-retinol. Also involved in the metabolism of short-chain aldehydes. No steroid dehydrogenase activity detected.

Subcellular Location:

Endoplasmic reticulum membrane; Single-pass type II membrane protein.

Tissue 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, peripheral blood leukocytes, kidney, adrenal gland and fetal liver. Not detected in prostatic fibromuscular stromal cells, endothelial cells, or infiltrating lymphocytes.

Post-translational modifications:

Not glycosylated.

Similarity:

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

SWISS:

Q8TC12

Gene ID:

51109

Database links:

[Entrez Gene: 51109](#)Human

[Omim: 607849](#)Human

[SwissProt: Q8TC12](#)Human

[Unigene: 226007](#)Human

[Unigene: 719925](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

