

For Research Use Only

# RDH11 Polyclonal antibody

Catalog Number:11077-1-AP



## Basic Information

<b>Catalog Number:</b> 11077-1-AP	<b>GenBank Accession Number:</b> BC011727	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 51109	<b>Recommended Dilutions:</b> IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TC12	
<b>Isotype:</b> IgG	<b>Full Name:</b> retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	
<b>Immunogen Catalog Number:</b> AG1485	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IHC, IF/ICC, ELISA	<b>Positive Controls:</b> IHC : human prostate cancer tissue, IF/ICC : HaCaT cells,
<b>Species Specificity:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

RDH11(Retinol dehydrogenase 11) is also named as ARSDR1(androgen-regulated short-chain dehydrogenase/reductase 1 ), PSDR1(prostate short-chain dehydrogenase/reductase 1) and belongs to the short-chain dehydrogenases/reductases (SDR) family. RDH11 is involved in steroid synthesis and/or degradation in normal and neoplastic prostate epithelium, and, as such, it may be a key enzyme involved in maintaining intracellular balance of steroid hormones in these cells(PMID:11245473). The deduced protein contains 318 amino acids, and the transcript contains 2 potential polyadenylation signals. It has 2 isoforms produced by alternative splicing.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

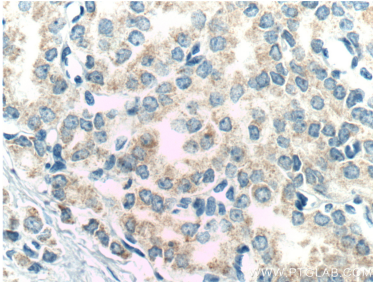
T: 4006900926

E: Proteintech-CN@ptglab.com

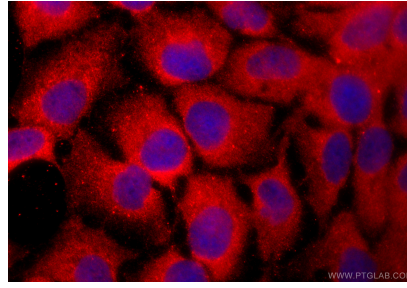
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11077-1-AP (RDH11 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using RDH11 antibody (11077-1-AP) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).