

For Research Use Only

RDH11 Polyclonal antibody

Catalog Number: 11077-1-AP



Basic Information

Catalog Number: 11077-1-AP	GenBank Accession Number: BC011727	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51109	Recommended Dilutions: IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	
Isotype: IgG	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG1485	Observed MW: 35 kDa	

Applications

Tested Applications: IF, IHC, ELISA	Positive Controls: IHC : human prostate cancer tissue, IF : PC-3 cells,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

RDH11(Retinol dehydrogenase 11) is also named as ARSDR1(androren-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

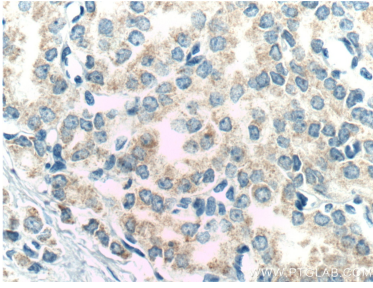
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

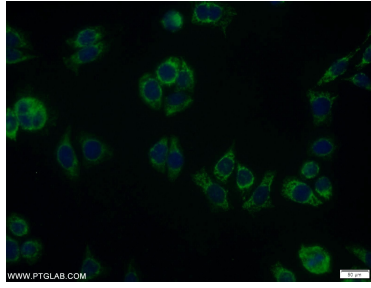
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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 PC-3 cells using 11077-1-AP (RDH11 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).