

## RDH11 Polyclonal Antibody

Catalog number: 11077-1-AP

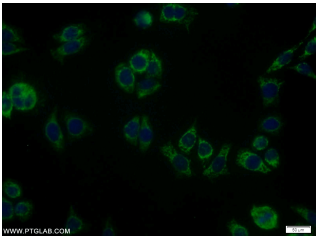
Size: 75 µg/150 µl

Source: Rabbit

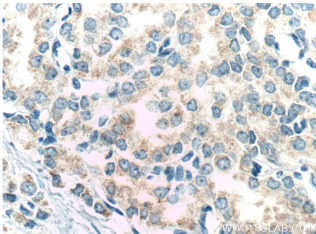
Isotype: IgG

Synonyms:

RDH11; ARSDR1, CGI 82,  
FLJ32633, HCBP12, MDT1,  
PSDR1, RALR1, RDH11, Retinal  
reductase 1, Retinol  
dehydrogenase 11, SCALD,  
SDR7C1



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)



Immunohistochemistry 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 retrieved with Tris-EDTA buffer(pH9).

### Background

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.

### Applications

|                          |  |
|--------------------------|--|
| Tested applications:     | ELISA, IF, IHC                               |
| Species specificity:     | Human, Mouse, Rat; other species not tested. |
| Calculated RDH11 MW:     | 35 kDa                                       |
| Observed RDH11 MW:       | 35 kDa                                       |
| Positive IHC detected in | Human prostate cancer tissue                 |
| Positive IF detected in  | PC-3 cells                                   |
| Recommended dilution:    | IHC: 1:50-1:500<br>IF: 1:10-1:100            |

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

|                           |   |
|---------------------------|---|
| Immunogen:                | Ag1485  |
| GenBank accession number: | BC011727  |
| Gene ID (NCBI):           | 51109   |
| Full name:                | Retinol dehydrogenase 11 (all-trans/9-cis/11-cis) |

### Product information

|                      |   |
|----------------------|---|
| Purification method: | Antigen affinity purification                                       |
| Storage:             | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |