

For Research Use Only

# DHRS4 Polyclonal antibody

Catalog Number: 15279-1-AP 1 Publications



## Basic Information

**Catalog Number:**

15279-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7398

**GenBank Accession Number:**

BC003019

**GeneID (NCBI):**

10901

**UNIPROT ID:**

Q9BTZ2

**Full Name:**

dehydrogenase/reductase (SDR family) member 4

**Calculated MW:**

30 kDa

**Observed MW:**

29 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** rat liver tissue, mouse liver tissue, HeLa cells, HepG2 cells

**IP:** mouse liver tissue,

**IHC:** human cervical cancer tissue, human cervix tissue

## Background Information

DHRS4 (Dehydrogenase/reductase SDR family member 4) is also named as PHCR, NRDR, PSCD, SCAD-SRL, and belongs to the short-chain dehydrogenases/reductases (SDR) family. It can also catalyze the oxidation of all-trans-retinol with NADP as co-factor, but with much lower efficiency. Human DHRS4 is a tetramer composed of 27 kDa subunits, which is inactivated at low temperature without dissociation into subunits (PMID:18571493).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shu Li	35479082	Front Immunol	WB

## 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:

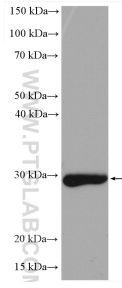
T: 4006900926

E: Proteintech-CN@ptglab.com

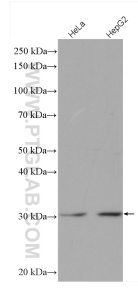
W: ptgcn.com

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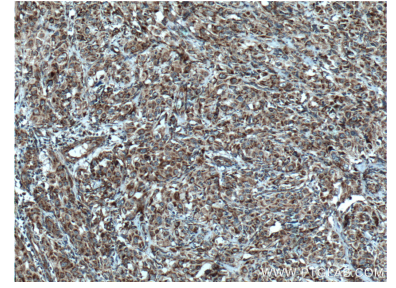
## Selected Validation Data



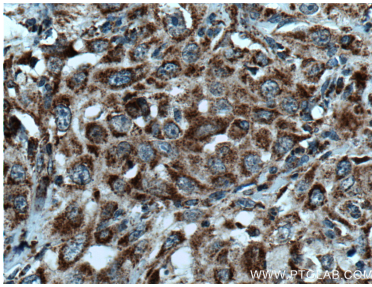
rat liver tissue were subjected to SDS PAGE followed by western blot with 15279-1-AP (DHRS4 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



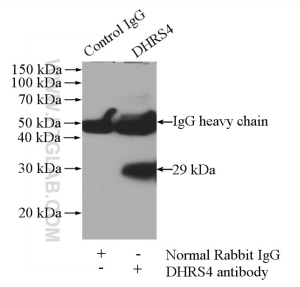
Various lysates were subjected to SDS PAGE followed by western blot with 15279-1-AP (DHRS4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 15279-1-AP (DHRS4 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 15279-1-AP (DHRS4 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DHRS4 (IP:15279-1-AP, 4ug; Detection:15279-1-AP 1:400) with mouse liver tissue lysate 4000ug.