

For Research Use Only

# DHRS4 Polyclonal antibody

Catalog Number: 15279-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 15279-1-AP	<b>GenBank Accession Number:</b> BC003019	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 140 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10901	<b>Recommended Dilutions:</b> WB 1:1000-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> dehydrogenase/reductase (SDR family) member 4	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 30 kDa	
<b>Immunogen Catalog Number:</b> AG7398	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> rat liver tissue, mouse liver tissue, HeLa cells, HepG2 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> mouse liver tissue,
<b>Cited Species:</b> mouse	<b>IHC:</b> human cervical cancer tissue, human cervix tissue

**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

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

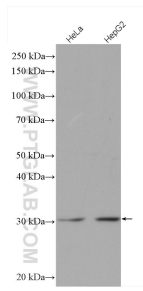
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

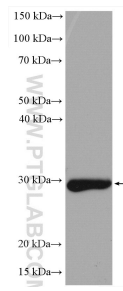
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

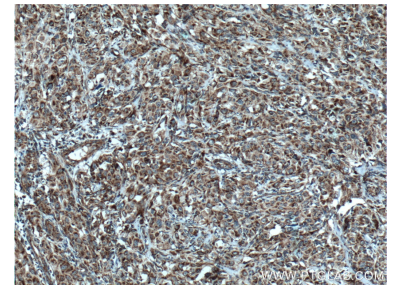
## Selected Validation Data



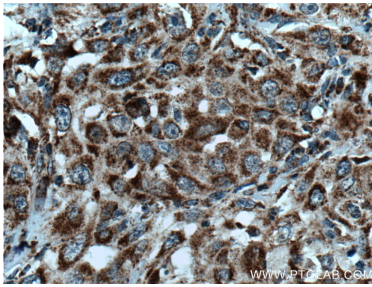
Various lysates were subjected to SDS PAGE followed by western blot with 15279-1-AP (DHRS4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



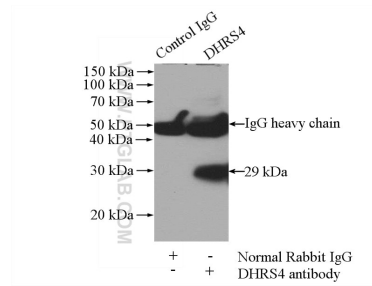
rat liver tissue were subjected to SDS PAGE followed by western blot with 15279-1-AP (DHRS4 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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.