

For Research Use Only

# DHRS2 Polyclonal antibody

Catalog Number: 15735-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

15735-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8508

**GenBank Accession Number:**

BC007339

**GeneID (NCBI):**

10202

**UNIPROT ID:**

Q13268

**Full Name:**

dehydrogenase/reductase (SDR family) member 2

**Calculated MW:**

300 aa, 32 kDa

**Observed MW:**

27-30 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 1:250-1:1000

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse

**Cited Species:**

human

**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: SKOV-3 cells, human liver tissue

IP: HeLa cells,

IHC: human liver cancer tissue,

## Background Information

DHRS2 (Dehydrogenase/reductase SDR family member 2) is also named as dicarbonyl reductase HEP27, Protein D and belongs to the short-chain dehydrogenases/reductases (SDR) family. It displays NADPH-dependent dicarbonyl reductase activity in vitro with 3,4-Hexanedione, 2,3-Heptanedione and 1-Phenyl-1,2-propanedione as substrates and there is no reductase activity displayed in vitro with steroids, retinoids and sugars as substrates. This protein also may inhibit cell replication. It has 2 isoforms produced by alternative splicing with the molecular weight of 27 kDa and 29 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yingyan Han	31423895	Epigenetics	WB, IHC
Yunshang Chen	35115490	Cell Death Dis	WB
Ji-Min Li	31436301	Oncol Rep	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:

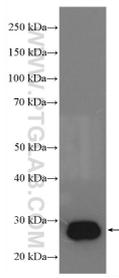
T: 4006900926

E: Proteintech-CN@ptglab.com

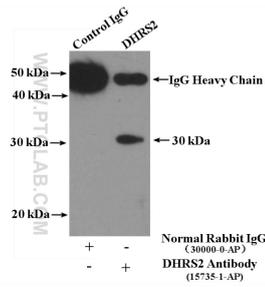
W: ptgcn.com

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

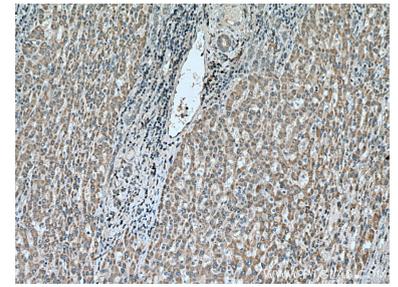
## Selected Validation Data



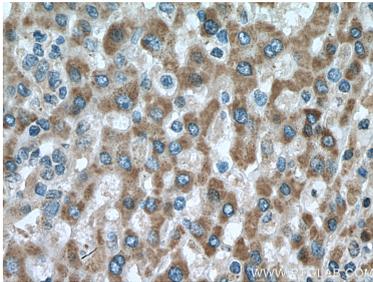
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 15735-1-AP (DHRS2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-DHRS2 (IP:15735-1-AP, 4ug; Detection:15735-1-AP 1:300) with HeLa cells lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15735-1-AP (DHRS2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15735-1-AP (DHRS2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).