

For Research Use Only

DHRS2 Polyclonal antibody

Catalog Number:15735-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

15735-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IP, IHC, 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

*** 20ul sizes contain 0.1% BSA

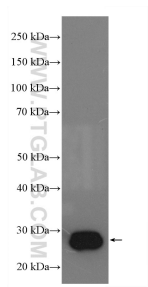
For technical support and original validation data for this product please contact:

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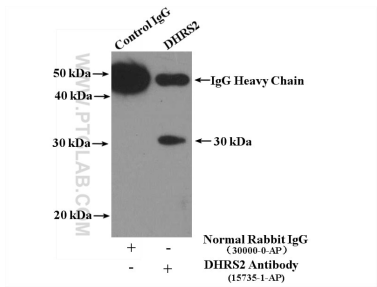
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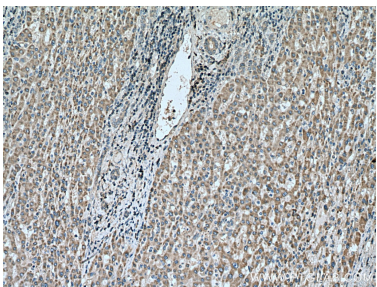
Selected Validation Data



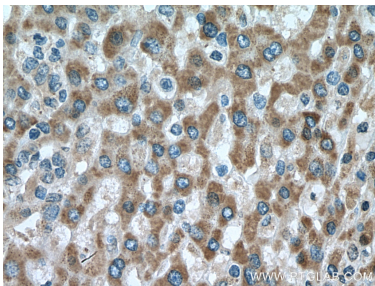
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 15735-1-AP (DHRS2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).