

For Research Use Only

DHRS2 Polyclonal antibody

Catalog Number: 15735-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 15735-1-AP	GenBank Accession Number: BC007339	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10202	Recommended Dilutions: WB 1:1000-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: dehydrogenase/reductase (SDR family) member 2	IHC 1:250-1:1000
Isotype: IgG	Calculated MW: 300 aa, 32 kDa	
Immunogen Catalog Number: AG8508	Observed MW: 27-30 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB: SKOV-3 cells, human liver tissue
Cited Applications: IHC, WB	IP: HeLa cells,
Species Specificity: human, mouse	IHC: human liver cancer tissue,
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

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

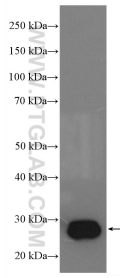
Storage

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

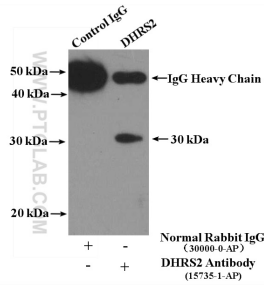
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

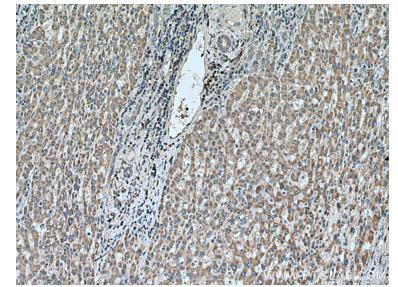
Selected Validation Data



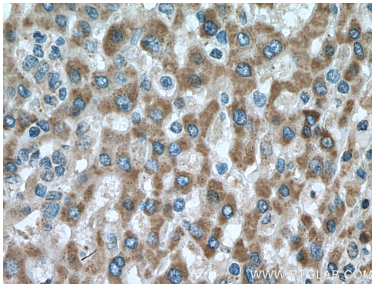
SKOV-3 cells were subjected to SDS PAGE followed by western blot with 15735-1-AP (DHRS2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).