

For Research Use Only

DHRS3 Polyclonal antibody

Catalog Number: 15393-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number: 15393-1-AP	GenBank Accession Number: BC002730	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9249	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF 1:200-1:800
Source: Rabbit	Full Name: dehydrogenase/reductase (SDR family) member 3	
Isotype: IgG	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG7589	Observed MW: 30-34 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : A375 cells, mouse liver tissue, rat liver tissue IP : A375 cells, IHC : mouse liver tissue, IF : HepG2 cells,
Cited Applications: IF, IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, insect	
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

DHRS3(Short-chain dehydrogenase/reductase 3) is also named as retSDR1,DD83.1 and belongs to the short-chain dehydrogenases/reductases (SDR) family. It catalyzes the reduction of all-trans-retinal to all-trans-retinol in the presence of NADPH. It is detected high levels of expression in fetal kidney, liver, and lung and in adult heart, placenta, lung, liver, kidney, pancreas, thyroid, testis, stomach, trachea, spinal cord and lower levels in skeletal muscle, intestine, and lymph node. retSDR1 is barely detectable in adrenals, brain, thymus, and hematopoietic tissues(PMID:11861404). retSDR1 may play a more general role in retinol metabolism since its expression was observed in many fetal and adult tissues(PMID:20543567).

Notable Publications

Author	Pubmed ID	Journal	Application
Lin Shen	36150660	Biochim Biophys Acta Mol Basis Dis	WB
Mark K. Adams	34542554	Biochem J	WB
Mark K Adams	27793605	Chem Biol Interact	WB

Storage

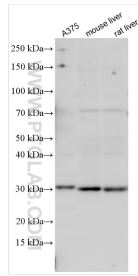
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

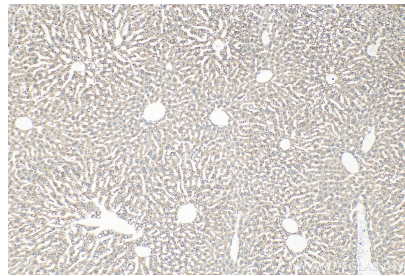
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

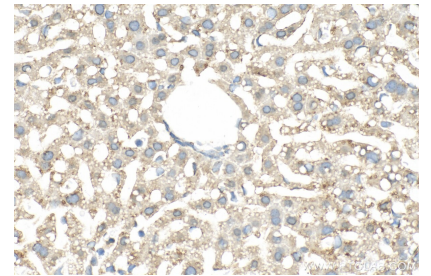
Selected Validation Data



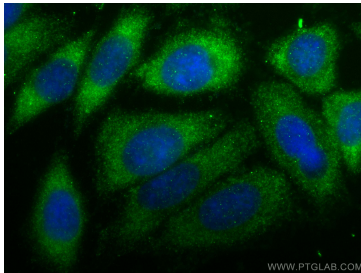
Various lysates were subjected to SDS PAGE followed by western blot with 15393-1-AP (DHR53 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



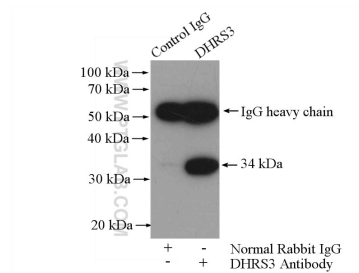
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15393-1-AP (DHR53 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15393-1-AP (DHR53 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DHR53 antibody (15393-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-DHR53 (IP:15393-1-AP, 4ug; Detection:15393-1-AP 1:500) with A375 cells lysate 3600ug.