

For Research Use Only

DHCR24 Polyclonal antibody

Catalog Number: 10471-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number: 10471-1-AP	GenBank Accession Number: BC004375	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 1718	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: 24-dehydrocholesterol reductase	
Isotype: IgG	Calculated MW: 60 kDa, 516 aa	
Immunogen Catalog Number: AG0756	Observed MW: 50-60 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse

Cited Species:
human, rat, mouse

Positive Controls:

WB : HepG2 cells, mouse lung tissue, Jurkat cells, MCF-7 cells

IHC : human liver tissue, mouse liver tissue, human breast cancer 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

DHCR24(3-beta-hydroxysterol delta-24-reductase), also named as Seladin-1 or Diminuto/dwarf1 homolog, is a member of the flavin adenine dinucleotide (FAD)-dependent oxidoreductases, and catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis. The DHCR24 expression was shown to be down regulated in brain areas affected by Alzheimer's disease and endogenous DHCR24/seladin-1 levels are highly up-regulated upon acute oxidative stress while expression declines to very low levels upon chronic exposure (PMID:17984220). In apoptotic cells, endogenous seladin-1 was cleaved to a 40 kDa derivative in a caspase-dependent manner (PMID: 11007892).

Notable Publications

Author	Pubmed ID	Journal	Application
Legg Russell L RL	19025659	Reprod Biol Endocrinol	WB
Cortnie Hartwig	33208468	J Neurosci	
Xiao-Yi Lu	33177714	Nature	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

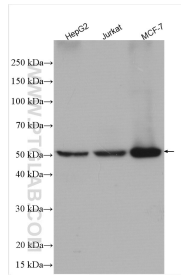
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

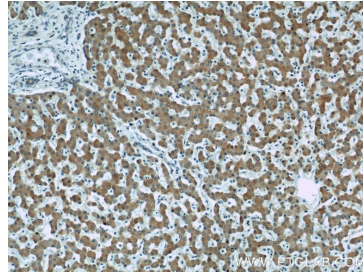
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10471-1-AP (DHCR24 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 10471-1-AP (DHCR24 antibody) at dilution of 1:50 (under 10x lens).