

For Research Use Only

# DHCR24 Polyclonal antibody

Catalog Number: 10471-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

10471-1-AP

### Size:

450 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0756

### GenBank Accession Number:

BC004375

### GeneID (NCBI):

1718

### UNIPROT ID:

Q15392

### Full Name:

24-dehydrocholesterol reductase

### Calculated MW:

60 kDa, 516 aa

### Observed MW:

50-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, rat

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

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

## 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

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

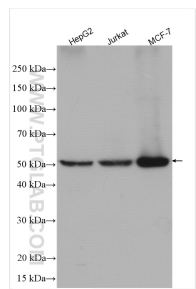
T: 4006900926

E: Proteintech-CN@ptglab.com

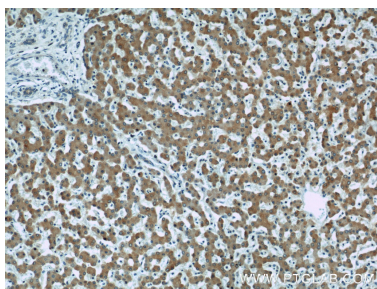
W: ptgcn.com

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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).