

For Research Use Only

DHCR24 Polyclonal antibody

Catalog Number: 10471-1-AP

Featured Product

12 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:

IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, rat, mouse

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:

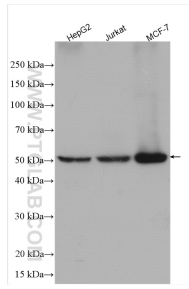
T: 4006900926

E: Proteintech-CN@ptglab.com

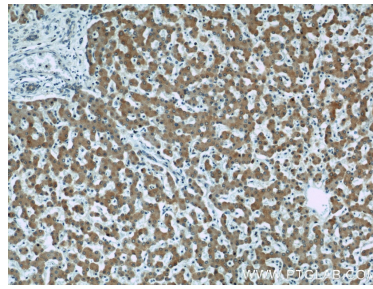
W: ptgcn.com

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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).