

DHCR24 Monoclonal antibody

Catalog Number: 60028-1-Ig

Basic Information

Catalog Number: 60028-1-Ig	GenBank Accession Number: BC004375	Purification Method: Protein G purification
Size: 150ul , Concentration: 2600 ug/ml by Nanodrop and 1080 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1718	CloneNo.: 2F6E11
Source: Mouse	UNIPROT ID: Q15392	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:50-1:500
Isotype: IgG1	Full Name: 24-dehydrocholesterol reductase	
Immunogen Catalog Number: AG0756	Calculated MW: 60 kDa, 516 aa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HEK-293 cells, HepG2 cells, MCF-7 cells
	IHC : human prostate 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).

Storage

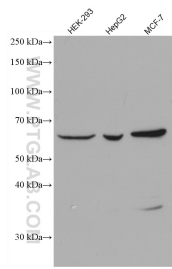
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

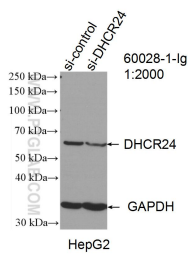
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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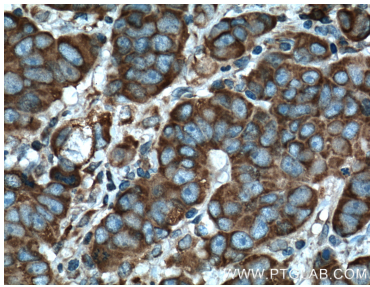
Selected Validation Data



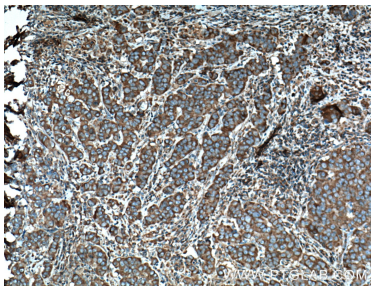
Various lysates were subjected to SDS PAGE followed by western blot with 60028-1-Ig (DHCR24 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of DHCR24 antibody (60028-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHCR24 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60028-1-Ig (DHCR24 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60028-1-Ig (DHCR24 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).