

PLOD2 Monoclonal antibody

Catalog Number: 66342-1-Ig

Featured Product

3 Publications

Basic Information

Catalog Number: 66342-1-Ig	GenBank Accession Number: BC037169	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5352	CloneNo.: 1H9E1
Source: Mouse	Full Name: procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:1000
Isotype: IgA	Calculated MW: 758 aa, 85 kDa	
Immunogen Catalog Number: AG5779	Observed MW: 87 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

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 : DU 145 cells, A431 cells, HEK-293 cells, A549 cells, Hela cells, HEK293 cells, HepG2 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IHC : human liver cancer tissue,

Background Information

PLOD2, also named as LH2, forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. It is a potential novel prognostic factor for HCC patients following surgery. Among the PLOD genes, PLOD2 contributes to cancer prognosis and angiogenesis. Several authors have reported that PLOD2 expression might provide prognostic information about malignant tumours such as glioblastoma. PLOD2 expression is a useful biomarker for the effects of antiangiogenic treatment for malignancy. (PMID:22098155). It has 2 isoforms produced by alternative splicing and seven glycosylation sites.

Notable Publications

Author	Pubmed ID	Journal	Application
Yajuan Zhao	34557495	Front Cell Dev Biol	WB, IHC
Tao Liu	38008826	Cell Death Dis	WB, IHC
Sofia Endzhievskaya	36774976	J Invest Dermatol	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

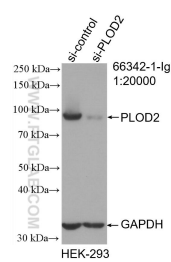
For technical support and original validation data for this product please contact:

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

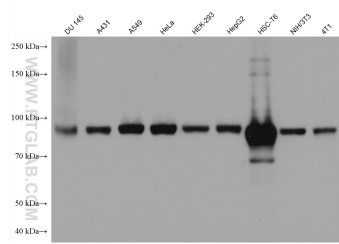
E: proteintech@ptglab.com
W: ptglab.com

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

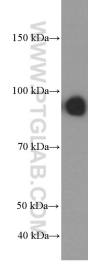
Selected Validation Data



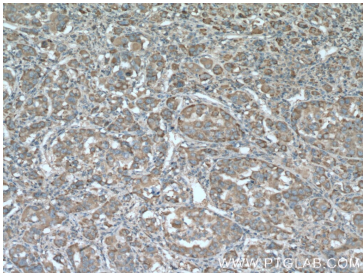
WB result of PLOD2 antibody (66342-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLOD2 transfected HEK-293 cells.



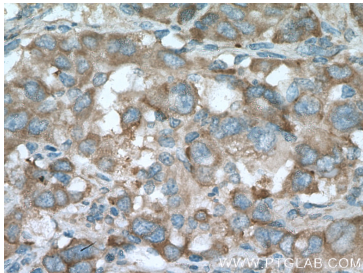
Various lysates were subjected to SDS PAGE followed by western blot with 66342-1-Ig (PLOD2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



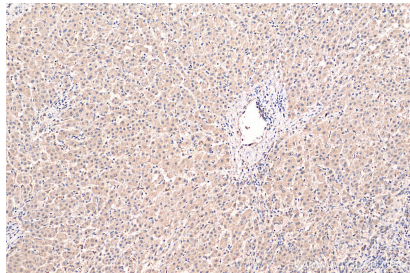
DU 145 cells were subjected to SDS PAGE followed by western blot with 66342-1-Ig (PLOD2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



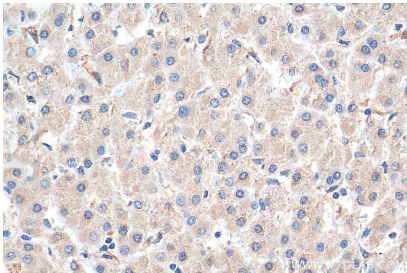
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66342-1-Ig (PLOD2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66342-1-Ig (PLOD2 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 liver cancer tissue slide using 66342-1-Ig (PLOD2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66342-1-Ig (PLOD2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).