

For Research Use Only

PLOD2 Monoclonal antibody, PBS Only



Catalog Number: 66342-1-PBS

Featured Product

Basic Information

Catalog Number:

66342-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgA

Immunogen Catalog Number:

AG5779

GenBank Accession Number:

BC037169

GeneID (NCBI):

5352

UNIPROT ID:

O00469

Full Name:

procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2

Calculated MW:

758 aa, 85 kDa

Observed MW:

87 kDa

Purification Method:

Protein A purification

CloneNo.:

1H9E1

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

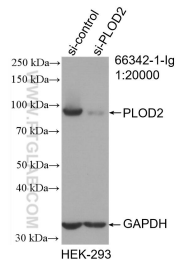
T: 4006900926

E: Proteintech-CN@ptglab.com

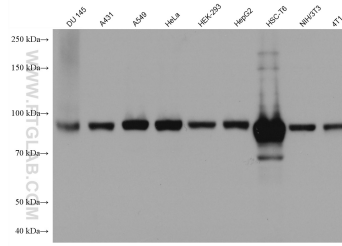
W: ptgcn.com

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

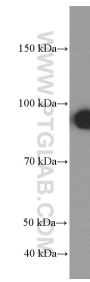
Selected Validation Data



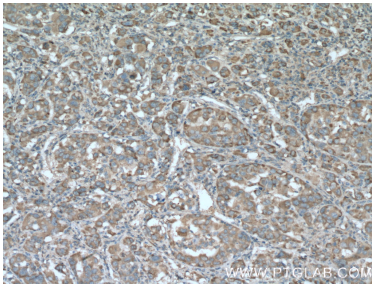
WB result of PLOD2 antibody (66342-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PLOD2 transfected HEK-293 cells. This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



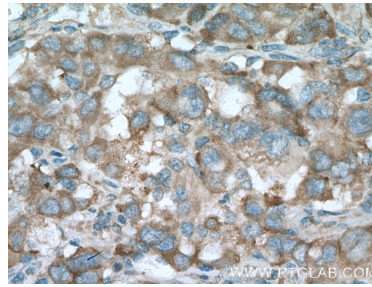
Various lysates were subjected to SDS PAGE followed by western blot with 66342-1-Ig (PLOD2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



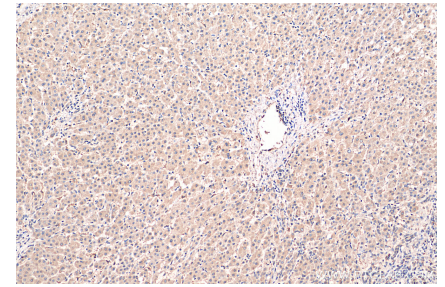
DU 145 cells were subjected to SDS PAGE followed by western blot with 66342-1-Ig (PLOD2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



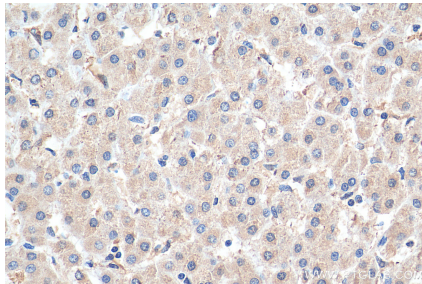
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66342-1-Ig (PLOD2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66342-1-PBS in a different storage buffer formulation.