

PLOD1 Polyclonal antibody

Catalog Number: 12475-1-AP

5 Publications

Basic Information

Catalog Number:

12475-1-AP

Size:

150ul, Concentration: 167 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3103

GenBank Accession Number:

BC016657

GeneID (NCBI):

5351

UNIPROT ID:

Q02809

Full Name:

procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1

Calculated MW:

727 aa, 84 kDa

Observed MW:

85-88 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

Bumblebees, mouse

Positive Controls:

IHC : human skin 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

PLOD1, also named as LLH, PLOD and LH1, forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links. PLOD1 catalyses the hydroxylation of lysine residues during the posttranslational modification of type I collagen, the major protein of bone.

Notable Publications

Author	Pubmed ID	Journal	Application
Tomoaki Saito	34718219	Bone	WB, IHC
Tilman Pfeffer	33020194	J Pharmacol Exp Ther	WB
Yueqin Guo	34899871	Front Genet	IF

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

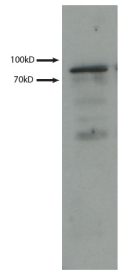
For technical support and original validation data for this product please contact:

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

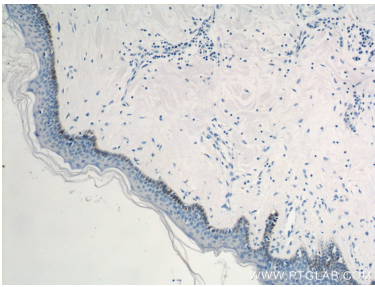
E: proteintech@ptglab.com
W: ptglab.com

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

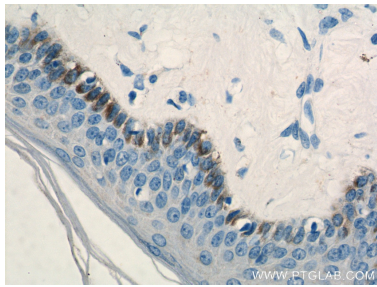
Selected Validation Data



WB result of PLOD1 antibody (12475-1-AP, 1:200) with Protein extracts from Human Fibroblasts.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12475-1-AP (PLOD1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 12475-1-AP (PLOD1 Antibody) at dilution of 1:200 (under 40x lens).