

## PLOD3 Polyclonal Antibody

Catalog number: 11027-1-AP

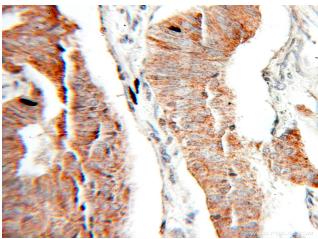
Size: 38 µg/150 µl

Source: Rabbit

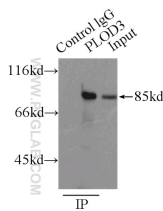
Isotype: IgG

Synonyms:

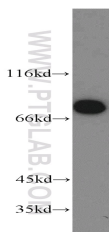
PLOD3; LH3, Lysyl hydroxylase 3, PLOD3



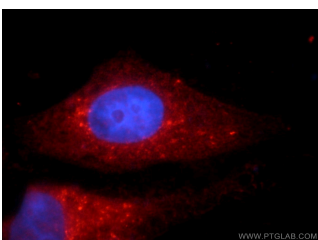
Immunohistochemical of paraffin-embedded human pancreas cancer using 11027-1-AP (PLOD3 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-PLOD3 (IP:11027-1-AP, 3µg; Detection:11027-1-AP 1:500) with HepG2 cells lysate 6000ug.



HepG2 cells were subjected to SDS PAGE followed by western blot with 11027-1-AP (PLOD3 antibody) at dilution of 1:800



Immunofluorescent analysis of HepG2 cells using 11027-1-AP (PLOD3 Antibody) at dilution of 1:25 and

### Background

PLOD3, also named as LH3, 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. The major function of PLOD3 in osteoblasts is to glucosylate galactosylhydroxylysine residues in type I collagen.

### Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	IEM, IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Drosophila, human, mouse
Calculated PLOD3 MW:	738aa, 85 kDa
Observed PLOD3 MW:	80-85 kDa
Positive WB detected in	HepG2 cells, A549 cells, HeLa cells, human placenta tissue, mouse placenta tissue, PC-3 cells
Positive IP detected in	HepG2 cells
Positive IHC detected in	Human pancreas cancer tissue, human kidney tissue, human pancreas tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1480
GenBank accession number:	BC011674
Gene ID (NCBI):	8985
Full name:	Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

**Rhodamine-Goat anti-Rabbit  
IgG**