

## PLOD2 mouse monoclonal antibody

Catalog: MB4013

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxyllysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl hydroxylase activity. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 90 kDa

### Swiss-Prot:

O00469

### Purification&Purity:

The antibody was affinity-purified from mouse ascites fluids or tissue culture supernatant by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB 1:2000, IHC 1:150

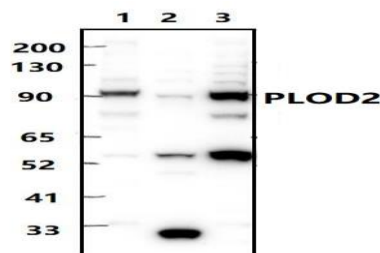
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG2a

### DATA:

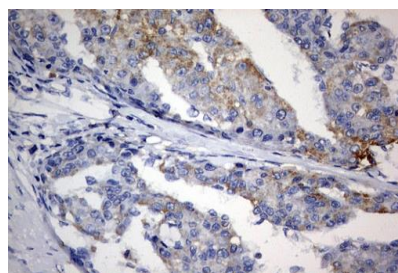


Western blot (WB) analysis of PLOD2 mouse monoclonal antibody at 1:500 dilution.

Lane1:U87MG whole cell lysate(30ug)

Lane2:PC12 whole cell lysate(30ug)

Lane3:A549 whole cell lysate(30ug)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-PLOD2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120 °C for 3min)

### Note:

For research use only, not for use in diagnostic procedure.

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