

## PLOD2

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**Reactivity:**Human Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:**85kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human PLOD2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

1 mg/ml

**Synonym:**

LH2; TLH;

**Catalog #:**A6946

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5352

**Isotype:**IgG

**Swiss Prot:**O00469

**Purity:**Affinity purification

For research use only.

**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 hydroxylysyl 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.

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