

## PLOD3

**Reactivity:** Human

**Tested applications:** WB

**Recommended Dilution:** WB 1:200 - 1:2000

**Calculated MW:** 85kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic peptide of human PLOD3

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

f

**Synonym:**

LH3;

**Catalog #:** A2285

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 8985

**Isotype:** IgG

**Swiss Prot:** O60568

**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.

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