

## PLOD1

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**Reactivity:**Human

**Tested applications:**WB IHC

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

**Calculated MW:**84kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human PLOD1

**Storage Buffer:**

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

**Synonym:**

LH; LH1; LLH; EDS6; PLOD;

**Background:**

Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the 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 VI have deficiencies in lysyl hydroxylase activity.

*To place an order, please [Click HERE](#).*

**Catalog #:**A7919

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5351

**Isotype:**IgG

**Swiss Prot:**Q02809

**Purity:**Affinity purification

For research use only.