

PLOD1

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;

Catalog #: A7919

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 5351

Isotype: IgG

Swiss Prot: Q02809

Purity: Affinity purification

For research use only.

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.

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