

Product datasheet for TA362064

PLOD1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

The immunogen is a synthetic peptide directed towards the C terminal region of human Immunogen:

PLOD1

Specificity: **Expected reactivity**: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 79 kDa

Gene Name: procollagen-lysine,2-oxoglutarate 5-dioxygenase 1

Database Link: NP 000293.2

Entrez Gene 5351 Human

Q02809



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Background: Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of

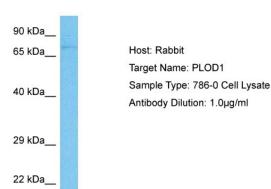
the endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VI have deficiencies in lysyl hydroxylase activity. Two transcript variants encoding different isoforms

have been found for this gene.

Synonyms: FLJ42041; LH; LH1; LLH; PLOD

Protein Families: Druggable Genome
Protein Pathways: Lysine degradation

Product images:



Host: Rabbit Target Name: PLOD1

Sample Tissue: Human 786-0 Whole Cell lysates

Antibody Dilution: 1ug/ml