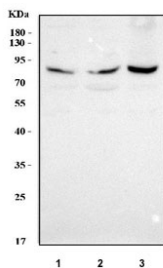


## PLOD1 Antibody / Lysyl hydroxylase 1 / LH1 (RQ8531)

Catalog No.	Formulation	Size
RQ8531	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q02809
<b>Applications</b>	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PLOD1 antibody is available for research use only.



Western blot testing of human 1) U-87 MG, 2) HepG2 and 3) U-251 cell lysate with PLOD1 antibody. Predicted molecular weight ~83 kDa.

### Description

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.

## Application Notes

Optimal dilution of the PLOD1 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids K23-A640) was used as the immunogen for the PLOD1 antibody.

## Storage

After reconstitution, the PLOD1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.