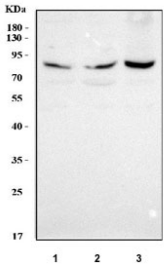
PLOD1 Antibody / Lysyl hydroxylase 1 / LH1 (RQ8531)

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

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q02809
Applications	Western blot: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml
Limitations	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.

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