

Product Datasheet

PLOD1 Antibody - BSA Free

NBP2-38770

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 2/23/2025 v.20.1

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NBP2-38770

PLOD1 Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Host	Rabbit
Gene ID	5351
Gene Symbol	PLOD1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27119146). Immunogen displays the following percentage of sequence identity for non-tested species: Rat (84%)
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: FVSLFFQRLRLHYPQKHMRLFIHNHEQHHKAQVEEFLAQHGSEYQSVKLVGP EVRMANADARN

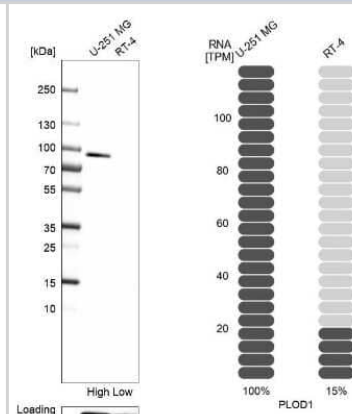
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry-Paraffin Reported in scientific literature (PMID:34400365)

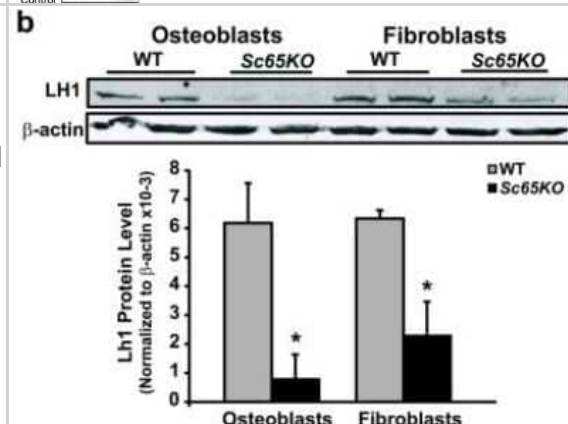


Images

Western Blot: PLOD1 Antibody [NBP2-38770] - Analysis in human cell line U-251 MG and human cell line RT-4.



Western Blot: PLOD1 Antibody [NBP2-38770] - SC65 directly interacts with lysyl-hydroxylase 1 (LH1). Western blot of primary calvarial osteoblast and skin fibroblast lysates from WT and Sc65KO 3 day-old mice (N = 2) showing significantly decreased levels of LH1 protein in Sc65KO samples. Densitometric quantification of LH1 protein normalized to beta-actin from the western blot shown above (*p<0.05; error bars represent SD). All experiments were performed at least 3 times. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1006002>), licensed under a CC-BY license.



Publications

Koenig SN, Cavus O, Williams J Et al. New mechanistic insights to PLOD1-mediated human vascular disease Translational research : the journal of laboratory and clinical medicine 2021-08-13 [PMID: 34400365] (WB, IHC-P, Human)

Jover E, Silvente A, Marin F et al. Inhibition of enzymes involved in collagen cross-linking reduces vascular smooth muscle cell calcification. FASEB J. 2018-03-16 [PMID: 29547702] (Human)

Heard ME, Besio R, Weis M et al. Sc65-Null Mice Provide Evidence for a Novel Endoplasmic Reticulum Complex Regulating Collagen Lysyl Hydroxylation. PLoS Genet. 2016-04-01 [PMID: 27119146] (WB, Mouse)



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Products Related to NBP2-38770

NBP2-38770PEP	PLOD1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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