

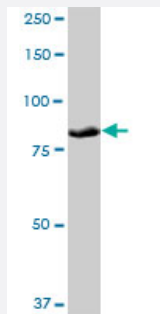
MaxPab®

PLOD3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008985-B01P

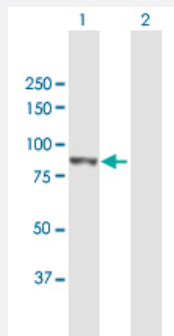
Size 50 ug

Applications



Western Blot (Cell lysate)

PLOD3 MaxPab polyclonal antibody. Western Blot analysis of PLOD3 expression in HepG2.

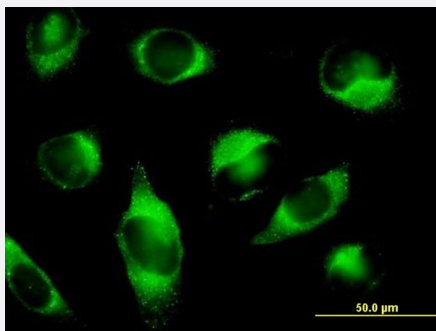


Western Blot (Transfected lysate)

Western Blot analysis of PLOD3 expression in transfected 293T cell line ([H00008985-T01](#)) by PLOD3 MaxPab polyclonal antibody.

Lane 1: PLOD3 transfected lysate(81.18 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PLOD3 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PLOD3 protein.

Immunogen	PLOD3 (NP_001075.1, 1 a.a. ~ 738 a.a) full-length human protein.
Sequence	MTSSGPGPRFLLLLPLLLPPAASASDRPRGRDPVNPEKLLVITVATAETEGYLRFLRSAEFFNYTV RTLGLGEEWRGGDVARTVGGGQKVRWLKKEMEKYADREDMIIMFVDSYDVILAGSPTTELLKKFV QSGSRLLFSAESFCWPEWGLAEQYPEVGTGKRFLNSGGFIGFATTIHQVRQWKYKDDDDQDLF YTRYLDPLGREKLSLNLDHKSRIFQNLNGALDEVVLKFDRNRVRIRNVAYDTLPVHNGNPTKLQ LNYLGNYPNGWTPPEGGCGFCNQDRRTLPGGQPPPRVFLAVFVEQPTPFLPRFLQRLLLLDYPP DRVTLFLHNNEVFHEPHIADSWPQLQDHFSAVKLVGPPEALSPGEARDMAMDLCRQDPECEFY FSLDADAVLTNLQTLRIEENRKVIAPMLSRHGKLWSNFWGALSPDEYYARSEDYVELVQRKRVG VWNVPIYSQAYVIRGDTLRMELPQRDVFSGSDTDPMAFCKSFDRDKGIFLHLSNQHEFGRLATS RYDTEHLHPDLWQIFDNPVDWKEQYIHENYSRALEGEQPCPDVYWFLLSEQMCDLVAE MEHYGQWSGGRHEDSRLAGGYENVPTVDIHMKQVGYEDQWLQLLRTYVGPMTESLFPGYHTKA RAVMNFVVRYPDEQPSLRPHHDSSTFTLNVALNHKGLDYEGGGCRFLRYDCVISSPRKGWALL HPGRLTHYHEGLPTTWGTRYIMVSFVDP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Cell lysate)

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[Protocol Download](#)

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PLOD3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PLOD3

Entrez GeneID [8985](#)

GeneBank Accession# [NM_001084.4](#)

Protein Accession# [NP_001075.1](#)

Gene Name PLOD3

Gene Alias LH3

Gene Description procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3

Omim ID [603066](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough 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 VIB have deficiencies in lysyl hydroxylase activity. [provided by RefSeq]

Other Designations lysine hydroxylase 3|lysyl hydroxylase 3

Publication Reference

- [Identification of a microRNA \(miR-663a\) induced by ER stress and its target gene PLOD3 by a combined microRNome and proteome approach.](#)

Amodio G, Sasso E, D'Ambrosio C, Scaloni A, Moliterno O, Franceschelli S, Zambrano N, Remondelli P.

Cell Biology and Toxicology 2016 Aug; 32(4):285.

Application: IF, WB-Tr, Human, Huh7, HeLa cells

- [Proteomic Signatures in Thapsigargin-Treated Hepatoma Cells.](#)

Amodio G, Moliterno O, Monteleone F, D'Ambrosio C, Scaloni A, Remondelli P, Zambrano N.

Chem Res Toxicol 2011 Jul; 24:1215.

Application: WB-Ce, Human, Huh7 cells

Pathway

- [Lysine degradation](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)