

PLOD3 Rabbit mAb

Catalog No.: A22354 **Recombinant**

Basic Information

Observed MW

80kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human

CloneNo number

ARC52018

Background

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.

Recommended Dilutions

WB	1:2000 - 1:10000
IHC-P	1:500 - 1:1000

Immunogen Information

Gene ID

8985

Swiss Prot

O60568

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 25-306 of human PLOD3 (NP_001075.1).

Synonyms

LH3; PLOD3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

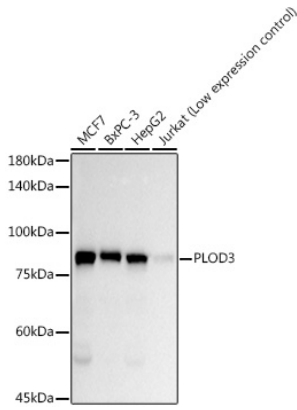
Affinity purification

Storage

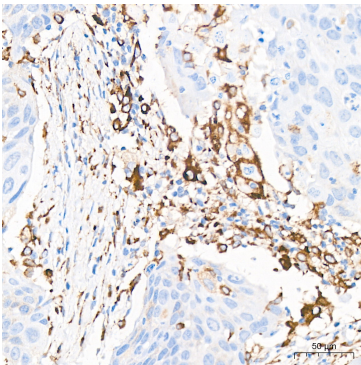
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

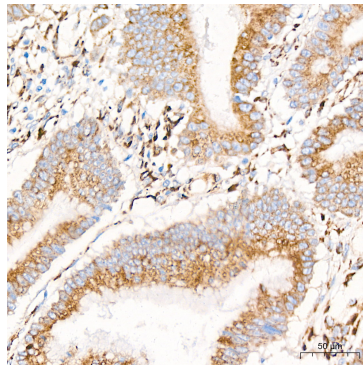
Validation Data



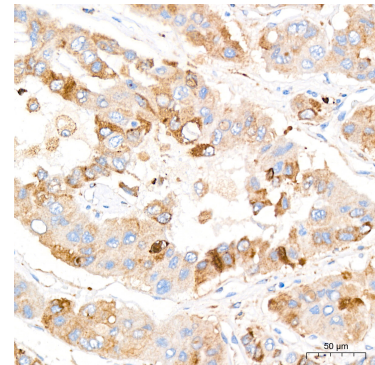
Western blot analysis of various lysates, using PLOD3 antibody (A22354) at 1:10000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



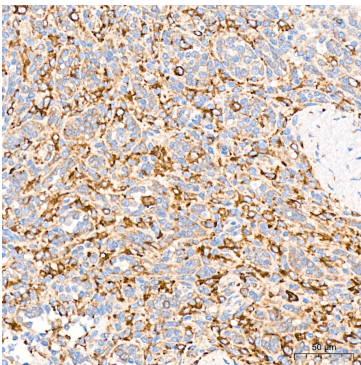
Immunohistochemistry analysis of PLOD3 in paraffin-embedded human cervix cancer tissue using PLOD3 Rabbit mAb (A22354) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of PLOD3 in paraffin-embedded human colon carcinoma tissue using PLOD3 Rabbit mAb (A22354) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of PLOD3 in paraffin-embedded human liver cancer tissue using PLOD3 Rabbit mAb (A22354) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of PLOD3 in paraffin-embedded human spleen tissue using PLOD3 Rabbit mAb (A22354) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.