

## Rabbit anti-Human PLOD3 Monoclonal Antibody | anti-PLOD3 antibody

PLOD3 Rabbit mAb

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA282876</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

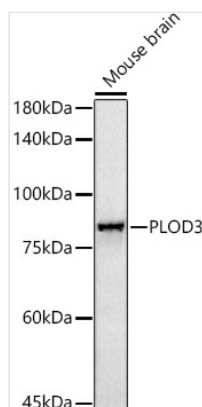
### PRODUCT SYNONYMS

PLOD3; Monoclonal Antibody; PLOD3 Rabbit mAb; LH3; anti-PLOD3 antibody

### PRODUCT SPECIFICATIONS

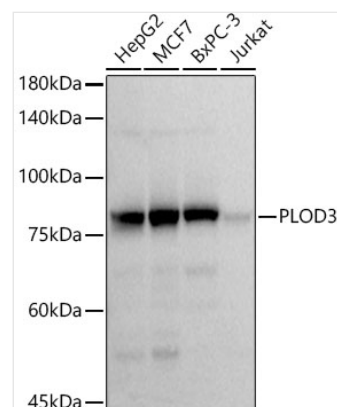
|                                                 |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                          |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                           |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                                      |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                             |
| Purity/Purification                             | Affinity purification                                                                                                                                                                                                                                                                                                           |
| Form/Format                                     | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                      |
| Sequence                                        | SDRPRGRDPV NPEKLLVITV ATAETEGYLR FLRSAEFFNY TVRTLGLGEE WRGGDVARTV GGGQKVRWLK<br>KEMEKYADRE DMIIMFVDSY DVILAGSPTE LLKKFVQSGS RLLFSAESFC WPEWGLAEQY PEVGTGKRFL<br>NSGGFIGFAT TIHQIVRQWK YKDDDDDDQLF YTRLYPDPL REKLSLNLDH KSRIFQNLNG ALDEVVLKFD<br>RNRVIRINVA YDTLPIVVHG NGPTKLQLNY LGNYVPNGWT PEGGCGFCNQ DRRTLPGGQP PPRVFLAVFV EQ |
| Applicable Applications for anti-PLOD3 antibody | ELISA, WB (Western Blot)                                                                                                                                                                                                                                                                                                        |
| Cross Reactivity                                | Human, Mouse                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                       | Recombinant fusion protein containing a sequence corresponding to amino acids 25-306 of human PLOD3 (NP_001075.1).                                                                                                                                                                                                              |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                |

### IMAGES



#### WB (Western Blot)

Western blot analysis of lysates from Mouse brain, using PLOD3 Rabbit mAb (AAA282876) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



#### WB (Western Blot)

Western blot analysis of various lysates using PLOD3 Rabbit mAb (AAA282876) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-<br>PLOD3 antibody | 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. |
| Product Categories/Family for anti-<br>PLOD3 antibody   | Epigenetics Nuclear Signaling; Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| NCBI GI #                  | 6093731                                           |
| NCBI GeneID                | 8985                                              |
| UniProt Accession #        | O60568; Q540C3; B2R6W6                            |
| Molecular Weight           | Calculated MW: 85kDa<br>Observed MW: 85kDa        |
| UniProt Protein Name       | Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 |
| UniProt Gene Name          | PLOD3                                             |
| UniProt Synonym Gene Names | LH3                                               |
| UniProt Entry Name         | PLOD3_HUMAN                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/plod3-antibody-western-blot-elisa/282876>