

Rabbit anti-Human PLOD2/LH2 Monoclonal Antibody | anti-PLOD2 antibody

PLOD2/LH2 Rabbit mAb

CATALOG # AAA282923	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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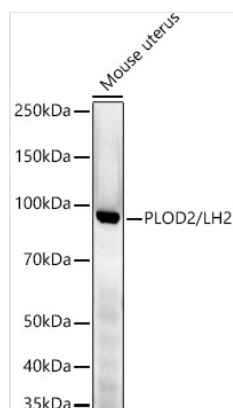
PRODUCT SYNONYMS

PLOD2/LH2; Monoclonal Antibody; PLOD2/LH2 Rabbit mAb; LH2; TLH; BRKS2; anti-PLOD2 antibody

PRODUCT SPECIFICATIONS

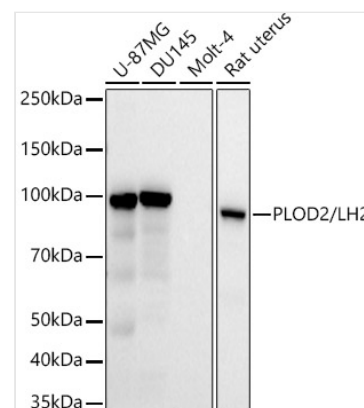
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ILLNYFGNYV PNSWTQDNGC TLCEFDTVDL SAVDVHPNVS IGVFIEQPTP FLPRFLDILL TLDYPKEALK LFIHNKEVYH EKDIKVFFDK AKHEIKTIKI VGPEENLSQA EARNMGMDFC R
Applicable Applications for anti-PLOD2 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 260-380 of human PLOD2/LH2 (NP_000926.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Mouse uterus, using PLOD2/LH2 Rabbit mAb (AAA282923) at 1:30000 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 Enhanced Kit (RM00021). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates using PLOD2/LH2 Rabbit mAb (AAA282923) at 1:30000 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: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PLOD2 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. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.
Product Categories/Family for anti-PLOD2 antibody	Epigenetics Nuclear Signaling; Cancer; Signal Transduction; Cell Biology Developmental Biology; Cytoskeleton; Extracellular Matrix; Endocrine Metabolism; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	62906878
NCBI GeneID	5352
UniProt Accession #	O00469; Q59ED2; Q8N170; B3KWS3
Molecular Weight	Calculated MW: 85kDa Observed MW: 100kDa
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
UniProt Gene Name	PLOD2
UniProt Synonym Gene Names	LH2
UniProt Entry Name	PLOD2_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/plod2-lh2-antibody-western-blot-elisa/282923>