

Rabbit anti-Human, Rat PLOD2 Polyclonal Antibody | anti-PLOD2 antibody

PLOD2 Polyclonal Antibody

CATALOG # AAA174101	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunofluorescence, Western Blot
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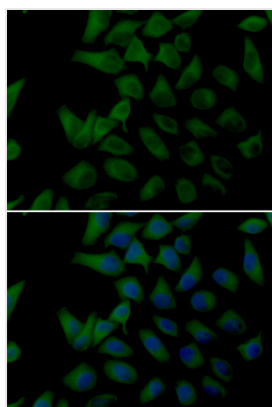
PRODUCT SYNONYMS

PLOD2; Polyclonal Antibody; PLOD2 Polyclonal Antibody; 2-oxoglutarate 5-dioxygenase 2; LH2; Lysine hydroxylase 2; Lysyl hydroxylase 2; OTTHUMP00000215204; OTTHUMP00000215205; OTTHUMP00000215206; PLOD 2; Plod2; Procollagen lysine 2 oxoglutarate 5 dioxygenase 2; Procollagen lysine; 2 oxoglutarate 5 dioxygenase (lysine hydroxylase) 2; Procollagen-lysine; Telopeptide lysyl hydroxylase; TLH; anti-PLOD2 antibody

PRODUCT SPECIFICATIONS

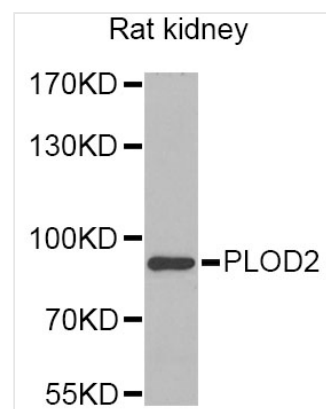
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration	1 mg/mL (varies by lot)
Sequence Length	758
Applicable Applications for anti-PLOD2 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human PLOD2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using PLOD2 antibody.



WB (Western Blot)

Western blot analysis of extracts of rat kidney, using PLOD2 Antibody.

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	Cancer; Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739166
NCBI GeneID	5352
NCBI Accession #	NP_000926.2
NCBI GenBank Nucleotide #	NM_000935.2
UniProt Accession #	O00469; Q59ED2; Q8N170; B3KWS3
Molecular Weight	Calculated: 49kDa; 84kDa; 87kDa Observed: 84kDa
NCBI Official Full Name	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 isoform 2
NCBI Official Synonym Full Names	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
NCBI Official Symbol	PLOD2
NCBI Official Synonym Symbols	LH2; TLH; BRKS2
NCBI Protein Information	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
UniProt Gene Name	PLOD2
UniProt Synonym Gene Names	LH2

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/polyclonal/plod2-antibody-immunofluorescence-western-blot-elisa/174101>