

Rabbit PLOD3 Polyclonal Antibody | anti-PLOD3 antibody

PLOD3 Antibody

CATALOG # AAA322861	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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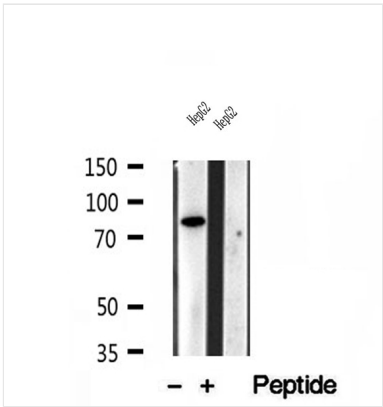
PRODUCT SYNONYMS

PLOD3; Polyclonal Antibody; PLOD3 Antibody; 2-oxoglutarate 5-dioxygenase 3; bone protein I; BP-I; LH3; Lysine hydroxylase 3; Lysyl hydroxylase 3; Plod3; PLOD3_HUMAN; Procollagen lysine; 2 oxoglutarate 5 dioxygenase 3 precursor; Procollagen-lysine; anti-PLOD3 antibody

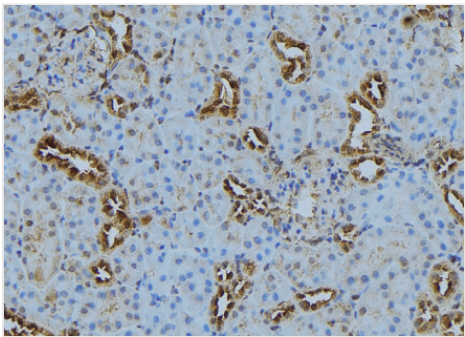
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLOD3 antibody detects endogenous levels of PLOD3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	738
Applicable Applications for anti-PLOD3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLOD3.
Subcellular Location	Rough Endoplasmic Reticulum Membrane.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Horse (92%), Sheep (92%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of HepG2 cells, using PLOD3 antibody.



IHC (Immunohistochemistry)
AAA322861 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PLOD3 antibody	Function: Forms hydroxylysine residues in-Xaa-Lys-Gly-sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links. Subunit Structure: Homodimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505891
NCBI GeneID	8985
NCBI Accession #	NP_001075.1
NCBI GenBank Nucleotide #	NM_001084.4
UniProt Accession #	O60568; Q540C3; B2R6W6
Molecular Weight	Observed: 80-85 kDa Predicted: 85 kDa
NCBI Official Full Name	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
NCBI Official Synonym Full Names	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
NCBI Official Symbol	PLOD3
NCBI Official Synonym Symbols	LH3
NCBI Protein Information	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
UniProt Protein Name	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
UniProt Gene Name	PLOD3
UniProt Synonym Gene Names	LH3

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.