

Rabbit PLOD2 Polyclonal Antibody | anti-PLOD2 antibody

PLOD2-Specific Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322845	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

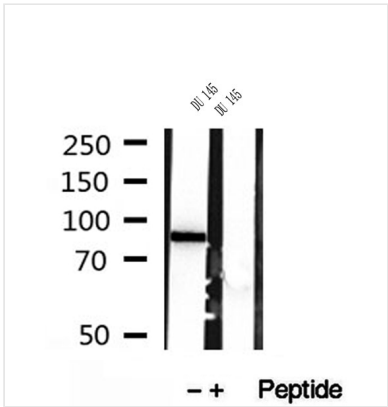
PRODUCT SYNONYMS

PLOD2; Polyclonal Antibody; PLOD2-Specific Antibody; 2-oxoglutarate 5-dioxygenase 2; LH2; Lysine hydroxylase 2; Lysyl hydroxylase 2; OTTHUMP00000215204; OTTHUMP00000215205; OTTHUMP00000215206; PLOD 2; Plod2; PLOD2_HUMAN; 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

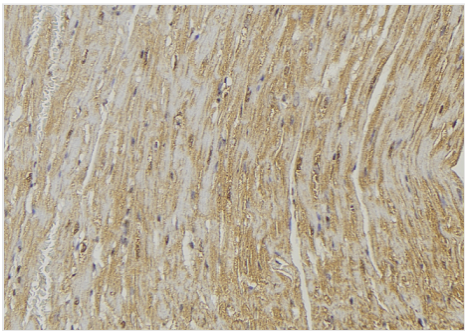
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PLOD2-Specific antibody detects endogenous levels of PLOD2-Specific.
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	737
Applicable Applications for anti-PLOD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PLOD2-Specific.
Subcellular Location	Rough Endoplasmic Reticulum Membrane.
Tissue Specificity	Highly expressed in pancreas and muscle. Isoform 1 and isoform 2 are expressed in the majority of the examined cell types. Isoform 2 is specifically expressed in skin, lung, dura and aorta.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (90%)
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 DU 145 cells, using PLOD2-Specific antibody.



IHC (Immunohistochemistry)
AAA322845 at 1/100 staining Mouse muscle 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-PLOD2 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 #	62739166
NCBI GeneID	5352
NCBI Accession #	NP_000926.2
NCBI GenBank Nucleotide #	NM_000935.2
UniProt Accession #	O00469; Q59ED2; Q8N170; B3KWS3
Molecular Weight	Observed: 85 kDa Predicted: 85 kDa
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.