

PLOD1 rabbit monoclonal antibody

Catalog # H00005351-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PLOD1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PLOD1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PLOD1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PLOD1

Entrez GeneID	5351
GeneBank Accession#	PLOD1
Gene Name	PLOD1
Gene Alias	FLJ42041, LH, LH1, LLH, PLOD
Gene Description	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1
Omim ID	153454 225400 601451
Gene Ontology	Hyperlink
Gene Summary	Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxyllysyl 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 VI have deficiencies in lysyl hydroxylase activity. [provided by RefSeq]
Other Designations	OTTHUMP00000002512 lysine hydroxylase lysyl hydroxylase lysyl hydroxylase 1 procollagen-lysine, 2-oxoglutarate 5-dioxygenase

Pathway

- [Lysine degradation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)