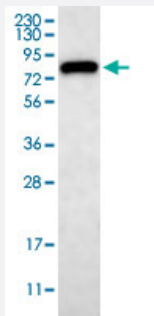


# PLOD3 polyclonal antibody

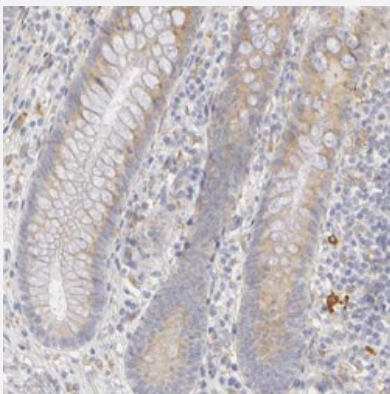
Catalog # PAB28401      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of U-251 MG cell lysate using PLOD3 polyclonal antibody (Cat # PAB28401).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human appendix with PLOD3 polyclonal antibody (Cat # PAB28401) shows moderate cytoplasmic positivity in glandular cells.

## Specification

Product Description	Rabbit polyclonal antibody raised against recombinant PLOD3.
Immunogen	Recombinant protein corresponding to human PLOD3.
Sequence	FDRNRVIRINVA YDTLP IVVHGNGPTKLQLNYLGNYVPNGWTP EGGCGFCNQDRRTLPGGQPPP RVFLAVFVEQPTPFLPRFLQRLLLLDYPPDRVTFLHNNNEVFHEPHIADSWPQLQDHFSAVKLVG PEEAL
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-1:250) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4 °C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of U-251 MG cell lysate using PLOD3 polyclonal antibody (Cat # PAB28401).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human appendix with PLOD3 polyclonal antibody (Cat # PAB28401) shows moderate cytoplasmic positivity in glandular cells.

## Gene Info — PLOD3

Entrez GeneID	<a href="#">8985</a>
Protein Accession#	<a href="#">O60568</a>
Gene Name	PLOD3
Gene Alias	LH3
Gene Description	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3
Omim ID	<a href="#">603066</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

lysine hydroxylase 3|lysyl hydroxylase 3

## Pathway

- [Lysine degradation](#)

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)