

Product datasheet for **AP53355PU-N**

PLOD3 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 85-113 amino acids from the N-terminal region of human PLOD3
Specificity:	This antibody recognizes Human PLOD3 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
Database Link:	Entrez Gene 8985 Human O60568



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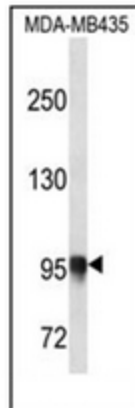
Background: The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups 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.

Synonyms: Lysyl hydroxylase 3

Note: **Molecular Weight:** 84785 Da

Protein Pathways: Lysine degradation

Product images:



Western blot analysis of PLOD3 Antibody (N-term) in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the PLOD3 antibody detected the PLOD3 protein (arrow).