

PLOD3 Antibody (N-term)

Catalog_no :	AB1081
Applications :	WB, IF
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:78-105
Specificity :	This PLOD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-105 amino acids from the N-terminal region of human PLOD3.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3, Lysyl hydroxylase 3, LH3, PLOD3
Isotype :	Rabbit Ig
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.
reference :	Wang, C., et al. J. Cell. Mol. Med. 13(3):508-521(2009) Salo, A.M., et al. Am. J. Hum. Genet. 83(4):495-503(2008) Salo, A.M., et al. J. Cell. Physiol. 207(3):644-653(2006) Wang, C., et al. Matrix Biol. 21(7):559-566(2002) Rautavuoma, K., et al. J. Bi