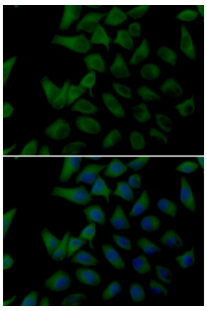
Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2) Antibody

Catalogue No.:abx005269



Immunofluorescence analysis of U2OS cells using PLOD2 Antibody

PLOD2 Antibody is a Rabbit Polyclonal antibody against PLOD2. 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. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.

Target:	Procollagen Lysine-2-Oxoglutarate-5-Dioxygenase 2 (PLOD2)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	IF/ICC
Host:	Rabbit
Recommended dilutions:	IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PLOD2
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O00469 (UniProt, ExPASy)

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Gene Symbol:	PLOD2
GeneID:	5352
NCBI Accession:	NP_000926.2
KEGG:	hsa:5352
String:	9606.ENSP00000282903
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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