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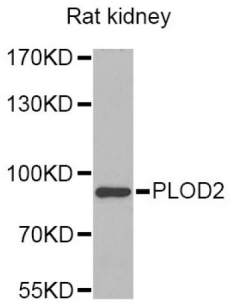
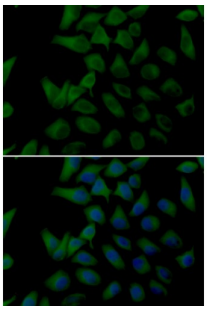
DATASHEET

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

Catalogue No.:abx005269



Western blot analysis of extracts of rat kidney, using PLOD2 Antibody (abx005269) at 1/1000 dilution.



Immunofluorescence analysis of U2OS cells using PLOD2 antibody (abx005269). Blue: DAPI for nuclear staining.

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:	PLOD2
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IF/ICC
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human PLOD2.
Purification:	Affinity purified.

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Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 49 kDa/84 kDa/87 kDa Observed MW: 84 kDa
Swiss Prot:	O00469
GeneID:	5352
Gene Symbol:	PLOD2
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.