DNAxPAb | Hard-to-Find Antibody

PLOD2 DNAxPab

Catalog # H00005352-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PLOD2 DNA using DNAx™ Immune te chnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGGCTVKPQLLLLALVLHPWNPCLGADSEKPSSIPTDKLLVITVATKESDGFHRFMQSAKYFNYT VKVLGQGEEWRGGDGINSIGGGQKVRLMKEVMEHYADQDDLVVMFTECFDVIFAGGPEEVLKK FQKANHKVVFAADGILWPDKRLADKYPVVHIGKRYLNSGGFIGYAPYVNRIVQQWNLQDNDDDQL FYTKVYIDPLKREAINITLDHKCKIFQTLNGAVDEVVLKFENGKARAKNTFYETLPVAINGNGPTKILL NYFGNYVPNSWTQDNGCTLCEFDTVDLSAVDVHPNVSIGVFIEQPTPFLPRFLDILLTLDYPKEAL KLFIHNKEVYHEKDIKVFFDKAKHEIKTIKIVGPEENLSQAEARNMGMDFCRQDEKCDYYFSVDAD VVLTNPRTLKILIEQNRKIIAPLVTRHGKLWSNFWGALSPDGYYARSEDYVDIVQGNRVGVWNVPY MANVYLIKGKTLRSEMNERNYFVRDKLDPDMALCRNAREMTLQREKDSPTPETFQMLSPPKGVF MYISNRHEFGRLLSTANYNTSHYNNDLWQIFENPVDWKEKYINRDYSKIFTENIVEQPCPDVFWFPI FSEKACDELVEEMEHYGKWSGGKHHDSRISGGYENVPTDDIHMKQVDLENVWLHFIREFIAPVTL KVFAGYYTKGFALLNFVVKYSPERQRSLRPHHDASTFTINIALNNVGEDFQGGGCKFLRYNCSIES PRKGWSFMHPGRLTHLHEGLPVKNGTRYIAVSFIDP
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PLOD2

Entrez GeneID	5352
GeneBank Accession#	NM_182943.2
Protein Accession#	NP_891988.1
Gene Name	PLOD2
Gene Alias	LH2, TLH
Gene Description	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2
Omim ID	601865 609220
Gene Ontology	Hyperlink
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) cata lyzes 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 intermole cular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl h ydroxylase activity. Mutations in the coding region of this gene are associated with Bruck syndrom e. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	lysine hydroxylase 2|lysyl hydroxylase 2|telopeptide lysyl hydroxylase

Pathway

- Lysine degradation

Disease

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- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Ovarian Neoplasms

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