

Datasheet for ABIN522428
anti-PLOD3 antibody (AA 1-738)



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Overview

Quantity:	50 µg
Target:	PLOD3
Binding Specificity:	AA 1-738
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This PLOD3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human PLOD3 protein.
Immunogen:	PLOD3 (NP_001075.1, 1 a.a. ~ 738 a.a) full-length human protein.
Sequence:	MTSSGPGPRF LLLLPLLLPP AASASDRPRG RDPVNPEKLL VITVATAETE GYLRFLRSAE FFNYTVRTLGLGEEWRGGDV ARTVGGGQKV RWLKKEMEKY ADREDMIIMF VDSYDVILAG SPTELLKKFV QSGSRLLFSA ESFCWPEWGL AEQYPEVGTG KRFLNSGGFI GFATTIHQIV RQWKYKDDDD DQLFYTRYL DPGLREKLSL NLDHKSRIQ NLNGALDEVV LKFDRNRVRI RNVAYDTLPI VVHNGNPTKL QLNYLGNYPV NGWTPEGCG FCNQDRRTLP GGQPPPRVFL AVFVEQPTPF LPRFLQRLLL LDYPPDRVTL FLHNNEVFHE PHIADSWPQL QDHFSVAVKLV GPEEALSPGE ARDMAMDLCR QDPECEFYFS LDADAVLTNL QTLRILIEEN RKVIAPMLSR HGKLWSNFWG ALSPDEYYAR SEDYVELVQR KRVGVWVNPY ISQAYVIRGD TLRMELPQRD VFSGSDTPD MAFCKSFRDK GIFLHLSNQH EFGRLATSRL YDTEHLHPDL WQIFDNPVDW KEQYIHENYS RALEGEGIVE QPCPDVYWFP LLSEQMCDL VAEMEHYQW SGGRHEDSRL

Product Details

AGGYENVPTV DIHMKQVGYE DQWLQLLRTY VGPMTESLFP GYHTKARAVM NFVVRYPDE
QPSLRPHHDS STFTLNVALN HKGLDYEGGG CRFLRYDCVI SSPRKGWALL HPGRLTHYHE
GLPTTWGTRY IMVSFVDP

Cross-Reactivity: Human

Characteristics: Antibody reactive against mammalian transfected lysate.

Target Details

Target: PLOD3

Alternative Name: PLOD3 ([PLOD3 Products](#))

Background: Full Gene Name: procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3
Synonyms: LH3

Gene ID: 8985

NCBI Accession: [NM_001084](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -20 °C

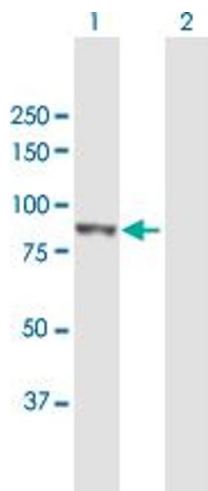
Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Amodio, Moltedo, Monteleone, D'Ambrosio, Scaloni, Remondelli, Zambrano: "Proteomic signatures in thapsigargin-treated hepatoma cells." in: **Chemical research in toxicology**, Vol. 24, Issue 8, pp. 1215-22, (2011) ([PubMed](#)).

Liefhebber, Punt, Spaan, van Leeuwen: "The human collagen beta(1-0)galactosyltransferase, GLT25D1, is a soluble endoplasmic reticulum localized protein." in: **BMC cell biology**, Vol. 11,

Images

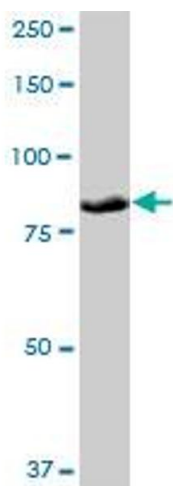


Western Blotting

Image 1. Western Blot analysis of PLOD3 expression in transfected 293T cell line by PLOD3 MaxPab polyclonal antibody.

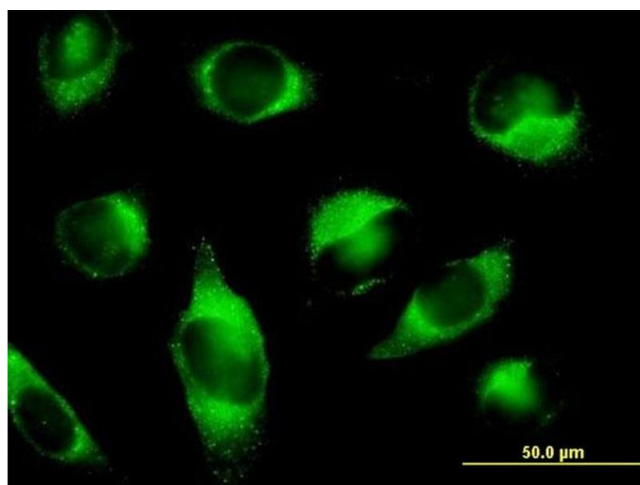
Lane 1: PLOD3 transfected lysate(81.18 kDa).

Lane 2: Non-transfected lysate.



Western Blotting

Image 2. PLOD3 MaxPab polyclonal antibody. Western Blot analysis of PLOD3 expression in HepG2.



Immunofluorescence

Image 3. Immunofluorescence of purified MaxPab antibody to PLOD3 on HeLa cell. [antibody concentration 10 ug/ml]