

Rabbit anti-Human PTPLA Polyclonal Antibody | anti-PTPLA antibody

PTPLA Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288635	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

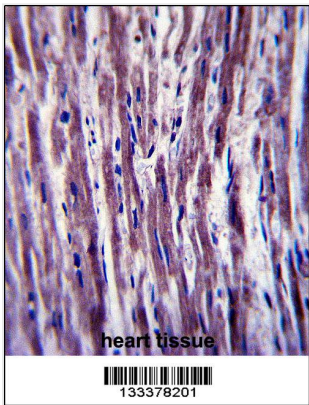
PRODUCT SYNONYMS

PTPLA; Polyclonal Antibody; PTPLA Antibody (N-term); Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1; 3-hydroxyacyl-CoA dehydratase 1; HACD1; Cementum attachment protein; Protein-tyrosine phosphatase-like member A; anti-PTPLA antibody

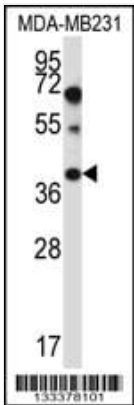
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTPLA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-66 amino acids from the N-terminal region of human PTPLA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	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.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	37-66
Sequence Length	288
Applicable Applications for anti-PTPLA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
PTPLA Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PTPLA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PTPLA Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PTPLA antibody detected the PTPLA protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTPLA antibody	The protein encoded by this gene contains a characteristic catalytic motif of the protein tyrosine phosphatases (PTPs) family. The PTP motif of this protein has the highly conserved arginine residue replaced by a proline residue; thus it may represent a distinct class of PTPs. Members of the PTP family are known to be signaling molecules that regulate a variety of cellular processes. This gene was preferentially expressed in both adult and fetal heart. A much lower expression level was detected in skeletal and smooth muscle tissues, and no expression was observed in other tissues. The tissue specific expression in the developing and adult heart suggests a role in regulating cardiac development and differentiation.
Product Categories/Family for anti-PTPLA antibody	Cardiovascular; Metabolism; Signal transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Liang, X., et al. Hum. Mutat. 30(3):463-471(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	82659105
NCBI GeneID	9200
NCBI Accession #	NP_055056.3
NCBI GenBank Nucleotide #	NM_014241.3
UniProt Accession #	B0YJ81; Q6JIC5; Q96FW7; Q9HB93; Q9UHX2; B0YJ80
Molecular Weight	32388
NCBI Official Full Name	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
NCBI Official Synonym Full Names	3-hydroxyacyl-CoA dehydratase 1
NCBI Official Symbol	HACD1

NCBI Official Synonym Symbols	CAP; PTPLA
NCBI Protein Information	very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
UniProt Protein Name	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 1
UniProt Gene Name	HACD1
UniProt Synonym Gene Names	CAP
UniProt Entry Name	HACD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptpla-antibody-immunohistochemistry-western-blot-elisa/288635>