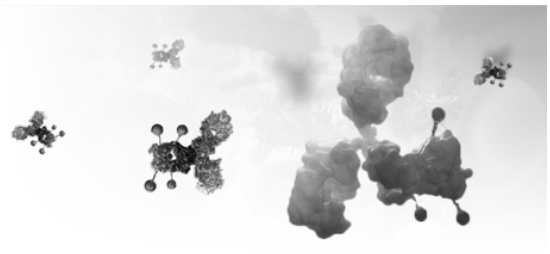

Anti-PTPLA monoclonal antibody (DCABH-13121)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	A synthetic peptide of human PTPLA is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Size	1 ea
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTPLA protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A [Homo sapiens]
Official Symbol	PTPLA
Synonyms	PTPLA; protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A;

	protein tyrosine phosphatase like (proline instead of catalytic arginine), member a; 3-hydroxyacyl-CoA dehydratase 1; CAP; cementum attachment protein; protein-tyrosine phosphatase-like member A; HACD1;
Entrez Gene ID	9200
Protein Refseq	NP_055056
UniProt ID	B0YJ81
Chromosome Location	10p14-p13
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty acid biosynthesis, elongation, endoplasmic reticulum, organism-specific biosystem; Fatty acid biosynthesis, elongation, endoplasmic reticulum, conserved biosystem; Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem.
Function	lyase activity; protein tyrosine phosphatase activity;