

Rabbit anti-Human PPAP2A Polyclonal Antibody | anti-PPAP2A antibody

PPAP2A Antibody (C-term)

CATALOG # AAA287932	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

PPAP2A; Polyclonal Antibody; PPAP2A Antibody (C-term); Lipid phosphate phosphohydrolase 1; PAP2-alpha; Phosphatidate phosphohydrolase type 2a; Phosphatidic acid phosphatase 2a; PAP-2a; PAP2a; LPP1; anti-PPAP2A antibody

PRODUCT SPECIFICATIONS

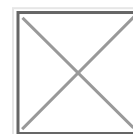
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PPAP2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 270-304 amino acids from the C-terminal region of human PPAP2A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (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: 0.5 (varies by lot)
Sequence Length	284
Applicable Applications for anti-PPAP2A antibody	ELISA, WB (Western Blot)
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



WB (Western Blot)

Western blot analysis of lysate from human pancreas tissue lysate, using PPAP2A Antibody (C-term). AAA287932 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



WB (Western Blot)

Western blot analysis of lysate from human kidney tissue lysate, using PPAP2A Antibody (C-term). AAA287932 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



WB (Western Blot)

Western blot analysis of lysate from Jurkat cell line, using PPAP2A Antibody (C-term).
AAA287932 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

ADDITIONAL INFORMATION

Related Product Information for anti-PPAP2A antibody	Broad-specificity phosphohydrolase that dephosphorylates exogenous bioactive glycerolipids and sphingolipids. Catalyzes the conversion of phosphatidic acid (PA) to diacylglycerol (DG). Pivotal regulator of lysophosphatidic acid (LPA) signaling in the cardiovascular system. Major enzyme responsible of dephosphorylating LPA in platelets, which terminates signaling actions of LPA. May control circulating, and possibly also regulate localized, LPA levels resulting from platelet activation. It has little activity towards ceramide-1-phosphate (C-1-P) and sphingosine-1-phosphate (S-1-P). The relative catalytic efficiency is LPA > PA > S-1-P > C-1-P. It's down-regulation may contribute to the development of colon adenocarcinoma.
Product Categories/Family for anti-PPAP2A antibody	Cancer; Metabolism; Signal Transduction
References	Kai M.,et al.J. Biol. Chem. 272:24572-24578(1997). Leung D.W.,et al.DNA Cell Biol. 17:377-385(1998). Ulrix W.E.J.,et al.J. Biol. Chem. 273:4660-4665(1998). Roberts R.,et al.J. Biol. Chem. 273:22059-22067(1998). Schmutz J.,et al.Nature 431:268-274(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	29171736
NCBI GeneID	8611
NCBI Accession #	NP_003702.2
NCBI GenBank Nucleotide #	NM_003711.3
UniProt Accession #	O14494; O60457; O60463; Q17RZ4; B7ZKN8; G3XA95
Molecular Weight	32156
NCBI Official Full Name	lipid phosphate phosphohydrolase 1 isoform 1
NCBI Official Synonym Full Names	phosphatidic acid phosphatase type 2A
NCBI Official Symbol	PPAP2A
NCBI Official Synonym Symbols	LPP1; PAP2; LLP1a; PAP-2a
NCBI Protein Information	lipid phosphate phosphohydrolase 1
UniProt Protein Name	Lipid phosphate phosphohydrolase 1
UniProt Gene Name	PPAP2A
UniProt Synonym Gene Names	LPP1; PAP-2a; PAP2a
UniProt Entry Name	LPP1_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.