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PPAPDC1B Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22010c

Product Information

Application	WB, E
Primary Accession	Q8NEB5
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54739
Calculated MW	29484

Additional Information

Gene ID	84513
Other Names	Phosphatidate phosphatase PPAPDC1B, 3.1.3.4, Phosphatidic acid phosphatase type 2 domain-containing protein 1B, PPAPDC1B, DPPL1, HTPAP
Target/Specificity	This PPAPDC1B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 114-146 amino acids from the Central region of human PPAPDC1B.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
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.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPAPDC1B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLPP5 (HGNC:25026)
Function	Magnesium-independent phospholipid phosphatase with broad substrate specificity (PubMed:17590538). Preferentially catalyzes the conversion of diacylglycerol pyrophosphate into phosphatidate but can also act on phosphatidate and lysophosphatidate (PubMed:17590538). Phospholipid

phosphatases are involved in both the synthesis of lipids and the generation or degradation of lipid-signaling molecules (PubMed:17590538).

Cellular Location Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q3UMZ3}

Tissue Location Ubiquitous..

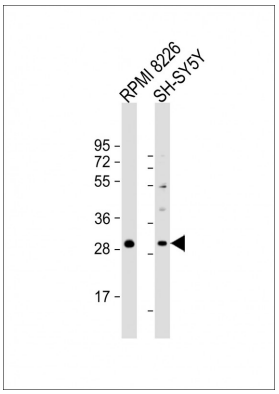
Background

Displays magnesium-independent phosphatidate phosphatase activity in vitro. Catalyzes the conversion of phosphatidic acid to diacylglycerol. May be a metastatic suppressor for hepatocellular carcinoma.

References

Takeuchi M.,et al.Gene 399:174-180(2007).
Nusbaum C.,et al.Nature 439:331-335(2006).
Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Wu X.,et al.Oncogene 25:1832-1840(2006).

Images



All lanes : Anti-PPAPDC1B Antibody (Center) at 1:2000 dilution Lane 1: RPMI 8226 whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 29 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.