

Datasheet for 600-401-DR7**PPAPDC1B Antibody****Overview**

Description:	Anti-PPAPDC1B (RABBIT) Antibody - 600-401-DR7
Item No.:	600-401-DR7
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	Phosphatidate phosphatase (PAP) plays important role in lipid-signaling metabolism in eukaryotic cells. Two distinct types of PAP (PAP1 and PAP2) activity have been distinguished by their subcellular localization and differential sensitivity to N-ethylmaleimide (NEM) and Mg ²⁺ . A yeast diacylglycerol pyrophosphate (DGPP) phosphatase (DPP1) and mammalian DGPP phosphatase (PAP2) have been identified as Mg ²⁺ -independent and NEM-insensitive membrane-associated. PPAPDC1A (also known as DPPL2) and PPAPDC1B (DPPL1) form a novel type of Mg ²⁺ -independent and NEM-sensitive mammalian phosphatidate phosphatase showing broad substrate specificity. Knockdown experiments indicated that this protein is involved with multiple cell signaling pathways, including the JAK-Stat3, MAP kinase, and PKC pathways. PPAPDC1B may also potentiate the estrogen receptor pathway by down-regulating DUSP22.
Synonyms:	PPAPDC1B Antibody, DPPL1, HTPAP, DPPL1, Phosphatidate phosphatase PPAPDC1B, Phosphatidic acid phosphatase type 2 domain-containing protein 1B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PLPP5
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-PPAPDC1B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human PPAPDC1B.
Purity/Specificity:	Anti-PPAPDC1B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PPAPDC1B from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8NEB5 • GeneID - 84513 • NCBI - NP_001096029

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PPAPDC1B Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 29 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

Formulation

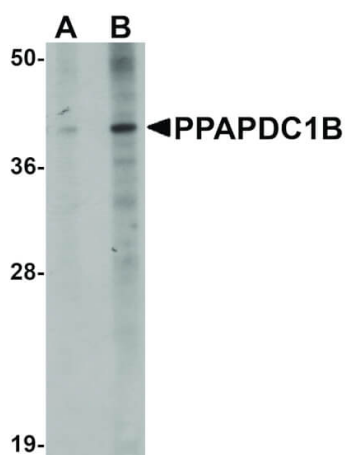
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of PPAPDC1B antibody. Lane 1: EL4 cell lysate with PPAPDC1B antibody at 1 μ g/mL. Lane 2: EL4 cell lysate with PPAPDC1B antibody at 2 μ g/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 29 kDa, 40 kDa for PPAPDC1B. Other band(s): PPAPDC1B splice variants and isoforms.

Disclaimer

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