

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

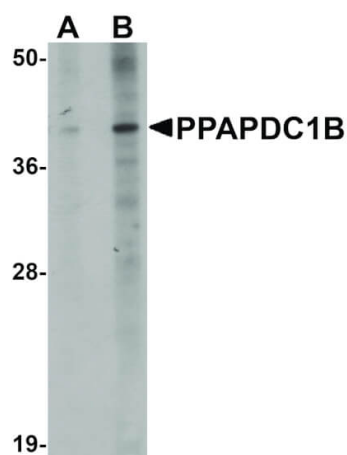
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

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 µg/mL. Lane 2: EL4 cell lysate with PPAPDC1B antibody at 2 µg/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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.