

Datasheet for 600-401-DR8**PPAPDC2 Antibody****Overview**

Description:	Anti-PPAPDC2 (RABBIT) Antibody - 600-401-DR8
Item No.:	600-401-DR8
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	PPAPDC2 is a phosphatase that dephosphorylates Presqualene diphosphate (PSDP) into presqualene monophosphate (PSMP), suggesting that it may have important role in innate immunity. PSDP is a bioactive lipid that rapidly remodels to PSMP upon cell activation. PPAPDC2 displays diphosphate phosphatase activity with a substrate preference for PSDP > FDP > phosphatidic acid. PPAPDC2 activity is independent of Mg ²⁺ and has been identified in activated human neutrophil (PMN) extracts. It is widely expressed in human tissues. Recent studies shows PPAPDC2 is a functional isoprenoid diphosphate phosphatase.
Synonyms:	PPAPDC2 Antibody, PDP1, PSDP, bA6J24.6, Presqualene diphosphate phosphatase, Phosphatidic acid phosphatase type 2 domain-containing protein 2, PPAP2 domain-containing protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PLPP6
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PPAPDC2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the C-terminus human PPAPDC2.

Purity/Specificity:	Anti-PPAPDC2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PPAPDC2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q8IY26 • GeneID - 403313 • NCBI - NP_982278

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-PPAPDC2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 32 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
IF:	20 µg/mL
WB:	1 µg/mL

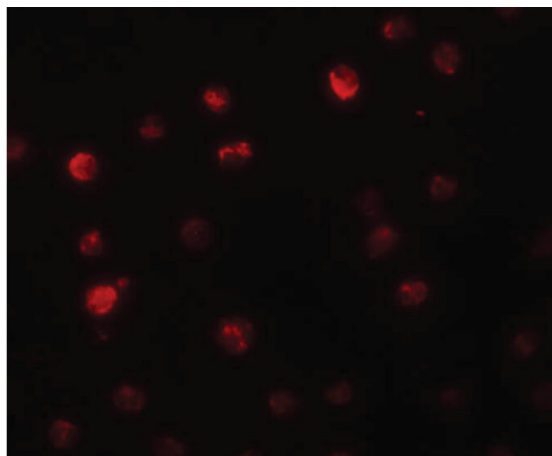
Formulation

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

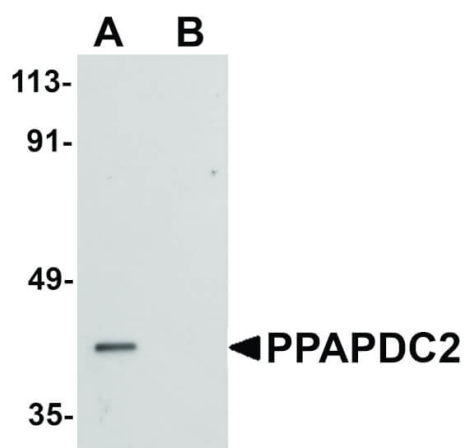
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several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



Immunofluorescence Microscopy

Immunofluorescence Microscopy of PPAPDC2 antibody.
 Tissue: Raji cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: PPAPDC2 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT.
 Localization: PPAPDC2 is a membrane protein. Staining: PPAPDC2 as red fluorescent signal.



Western Blot

Western Blot of PPAPDC2 antibody. Lane 1: Raji cell lysate in the absence of blocking peptide. Lane 2: Raji cell lysate in the presence of blocking peptide. Primary Antibody: with PPAPDC2 antibody at 1 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: 32 kDa, 40 kDa for PPAPDC1A. Other band(s): PPAPDC2 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.