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Datasheet for 600-401-DJ6

PALB2 Antibody

Overview

Description:	Anti-PALB2 (RABBIT) Antibody - 600-401-DJ6
Item No.:	600-401-DJ6
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The breast cancer early onset proteins BRCA1 and BRCA2 are central to the repair of DNA damage by homologous recombination and are strongly associated with inherited breast and ovarian cancer. The protein PALB2 is required for the localization of BRCA2 to sites of DNA damage and like BRCA1 and 2 is a breast cancer susceptibility gene. PALB2 is thought to function through directly binding to BRCA1, which allows the PALB2 protein to organize BRCA2 and the recombinase RAD51 at the site of DNA damage. Analysis of the BRCA1-PALB2-BRCA2-RAD51network may allow predictions to be made of the responsiveness of a particular tumor to therapeutic treatments. At least four isoforms of PALB2 are known to exist.
Synonyms:	PALB2 Antibody, FANCN, PNCA3, FANCN, Partner and localizer of BRCA2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PALB2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PALB2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the C-terminus of human PALB2.

Purity/Specificity:	Anti-PALB2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PALB2 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q86YC2 • GeneID - 79728 • NCBI - Q86YC2

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PALB2 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 131 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

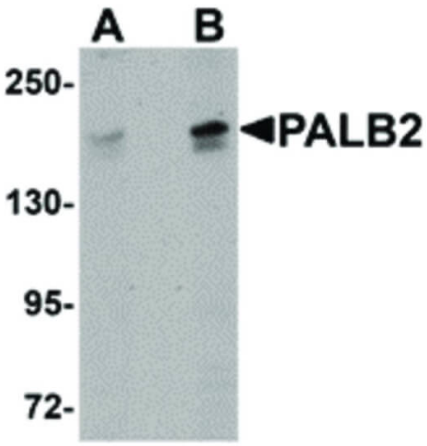
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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 PALB2 antibody. Lane 1: SK-N-SH cell lysate with PALB2 antibody at 1 µg/mL. Lane 2: SK-N-SH cell lysate with PALB2 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: 131 kDa, 150 kDa for PALB2.
Other band(s): PALB2 splice variants and isoforms.

Disclaimer

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