

[Go to Product page](#)

Datasheet for ABIN6991161 **anti-PALB2 antibody (C-Term)**

Overview

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|----------------------|--------------------------------------|
| Quantity: | 0.1 mg |
| Target: | PALB2 |
| Binding Specificity: | AA 940-990, C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PALB2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

Product Details

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| Immunogen: | PALB2 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human PALB2. The immunogen is located within amino acids 940 - 990 of PALB2. |
| Isotype: | IgG |
| Specificity: | At least four isoforms of PALB2 are known to exist, this antibody will detect all four isoforms. |
| Purification: | PALB2 Antibody is affinity chromatography purified via peptide column. |

Target Details

| | |
|-------------------|---|
| Target: | PALB2 |
| Alternative Name: | PALB2 (PALB2 Products) |
| Background: | PALB2 Antibody: The breast cancer early onset proteins BRCA1 and BRCA2 are central to the |

Target Details

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-RAD51 network may allow predictions to be made of the responsiveness of a particular tumor to therapeutic treatments.

Molecular Weight: Predicted: 65, 100, 130 kDa

Observed: 140 kDa

Gene ID: 79728

UniProt: [Q86YC2](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: PALB2 antibody can be used for detection of PALB2 by Western blot at 1 - 2 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PALB2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: PALB2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.