BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Partner and localizer of BRCA2 PALB2 Antibody

**Catalog Number:** A00639

## About PALB2

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.

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## Overview

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|---|---|
| Product Name | Anti-Partner and localizer of BRCA2 PALB2 Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Partner and localizer of BRCA2 PALB2 Antibody (Catalog # A00639). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Application | ELISA, WB |
| Clonality | Polyclonal |
| Formulation | PALB2 Antibody is supplied in PBS containing ≤0.09% sodium azide. |
| Storage Instructions | PALB2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |
| Host | Rabbit |
| Uniprot ID | Q86YC2 |

## Technical Details

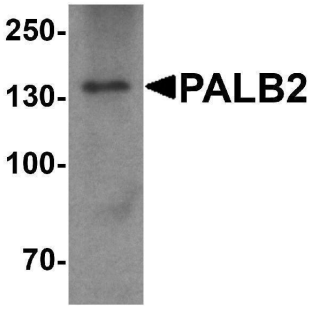
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| Immunogen | PALB2 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human PALB2. The immunogen is located within amino acids 940 - 990 of PALB2. |
| Predicted Reactive Species | Bovine, Chicken, Pig |
| Cross Reactivity | At least four isoforms of PALB2 are known to exist; this antibody will detect all four isoforms. |

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| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | PALB2 Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | PALB2 antibody can be used for detection of PALB2 by Western blot at 1 - 2 ug/mL.<br>Antibody validated: Western Blot in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher. |

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# Anti-Partner and localizer of BRCA2 PALB2 Antibody (A00639) Images




Western blot analysis of PALB2 in SK-N-SH cell lysate with PALB2 antibody at 1 ug/mL.

Anti-Partner and localizer of BRCA2 PALB2 Antibody

For Research Use Only. Not for use in diagnostic procedures.