

For Research Use Only

PALB2 Polyclonal antibody

Catalog Number: 14340-1-AP **3 Publications**



Basic Information

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| Catalog Number: 14340-1-AP | GenBank Accession Number: BC044254 | Purification Method: Antigen affinity purification |
| Size: 300 µg/ml | GeneID (NCBI): 79728 | Recommended Dilutions: WB 1:2000-1:12000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q86YC2 | |
| Isotype: IgG | Full Name: partner and localizer of BRCA2 | |
| Immunogen Catalog Number: AG5654 | Calculated MW: 131 kDa | |
| | Observed MW: 130 kDa; 80-90 kDa; 250-260 kDa | |

Applications

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| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : HeLa cells, IHC : human breast cancer tissue, |
| Cited Applications: WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

PALB2 can interact with BRCA1 and BRCA2 and form the BRCA1-PALB2-BRCA2 complex which is critical for homologous recombination and DNA damage response. PALB2 is an essential partner of BRCA2 that promotes the localization and stability of BRCA2. The predicted MW of PALB2 is approximately 130 kDa, while the truncated PALB2 protein around 80-90 kDa can also be detected in SDS-PAGE similar to papers. (PubMed:16793542, 24141787, 24153426). There's the dimer form with WM 250-260 kDa (refer to OMID: 30289697).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|-----------|-------------|
| Zhihao Wang | 33459381 | EMBO J | WB |
| Gozde Inci | 36500714 | Molecules | WB |
| Huan Li | 37066268 | Res Sq | WB |

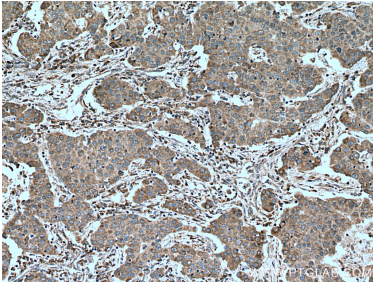
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

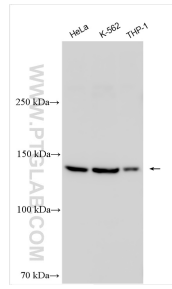
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14340-1-AP (PALB2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14340-1-AP (PALB2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.