

## Anti-PALB2 Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human,Pig (predicted:Mouse,Rat,Cow)
Molecular Weight:	Theoretical: 131 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;</p> <p>Incubation: Anti-PALB2 Polyclonal Antibody, Unconjugated (TMAB-09946) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Independently Validated Antibody, image provided by Science Direct, badge number 029682:Formalin-fixed and paraffin embedded human breast cancer labeled with Rabbit Anti-PALB2 Polyclonal Antibody, Unconjugated (TMAB-09946) at 1:100 from one hour at room temperature followed by conjugation to the secondary antibody Mach2 rabbit HRP-Polymer for 30 minutes at room temperature. Positive Control, the staining is correct.</p> <p>3. Formalin-fixed and paraffin embedded pig skeletal muscle labeled with Rabbit Anti-PALB2 Polyclonal Antibody, Unconjugated (TMAB-09946) at 1:100 for one hour at room temperature followed by conjugation to the secondary antibody Mach2 rabbit HRP-Polymer for 30 min at room temperature and DAB staining.</p> <p>4. Blank control: Hela (blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice. Isotype Control Antibody: Rabbit IgG (orange); Secondary Antibody: Goat anti-rabbit IgG-FITC (white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA; Primary Antibody Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA (green).</p> <p>5. Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (PALB2) polyclonal Antibody, Unconjugated (TMAB-09946) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.</p>
Application:	IHC-P,IHC-Fr,ICC/IF,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

## A DRUG SCREENING EXPERT

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PALB2

Antigen Species: Human

Gene ID: 79728

Uniprot ID: Q86YC2

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### Research Background

This gene encodes a protein that may function in tumor suppression. This protein binds to and colocalizes with the breast cancer 2 early onset protein (BRCA2) in nuclear foci and likely permits the stable intranuclear localization and accumulation of BRCA2. Essential partner of BRCA2 that promotes the localization and stability of BRCA2. Also enables its recombinational repair and checkpoint functions of BRCA2. May act by promoting stable association of BRCA2 with nuclear structures, allowing BRCA2 to escape the effects of proteasome-mediated degradation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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