
PALB2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251230

Unit: 0.1 mg

Description:

Partner and localizer of BRCA2 (PALB2) plays a critical role in homologous recombination repair (HRR) through its ability to recruit BRCA2 and RAD51 to DNA breaks. PALB2 serves as the molecular scaffold in the formation of the BRCA1-PALB2-BRCA2 complex which is essential for homologous recombination. PALB2 strongly stimulates the DNA strand-invasion activity of RAD51, stabilizes the nucleoprotein filament against a disruptive BRC3-BRC4 polypeptide and helps RAD51 to overcome the suppressive effect of replication protein A (RPA). Defects in PALB2 are the cause of Fanconi anemia complementation group N (FANCN). FANCN is a disorder affecting all bone marrow elements and resulting in anemia, leukopenia and thrombopenia.

Isotype: Rabbit Ig

Applications: E, WB, IHC, IP

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: PALB2; Partner and localizer of BRCA2; FANCN

Accession No.: Q86YC2

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PALB2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IP: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.