

Catalog Number	PA-RR 000021
Batch Number(s):	PA-B-0001-RR-FANCJ
Product Name	Rabbit anti-Human FANCJ (BRIP1/BACH1) Recombinant Monoclonal (BLR053P)

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Recombinant Monoclonal
Subclass	IgG
Immunogen	FANCJ Protein in a region between residue 523 and 573, referencing both Uniprot ID Q9BX63 and Gene ID 83990
Conjugate	Unconjugated
Form	Liquid
Concentration	1.00 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

FANCJ (BRIP1) is a 5' 3' DNA helicase that maintains genome stability by unwinding DNA structures during replication and repair. Acting downstream in the Fanconi anemia pathway, FANCJ contributes to interstrand crosslink repair and replication-stress responses. Through its interaction with BRCA1, it supports homologous recombination (HR) repair of DNA double-strand breaks. FANCJ also resolves G-quadruplex DNA structures and helps maintain replication-fork integrity.

Uniprot ID	Q9BX63
Gene ID	83990
Gene Symbol	FANCJ
Gene Aliases	FANCJ, BACH1, OF

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