

Catalog Number	PA-RR 000007
Batch Number(s):	PA-B-0001-RR-BRCA1
Product Name	Rabbit anti-Human BRCA1 Recombinant Monoclonal (BLR023N)

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Recombinant Monoclonal
Subclass	IgG
Immunogen	BRCA1 Protein in a region between residue 1696 and 1746, referencing both Uniprot ID P38398 and Gene ID 672
Conjugate	Unconjugated
Form	Liquid
Concentration	1.0 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

BRCA1 (Breast Cancer 1) is a crucial protein that helps maintain genomic stability and prevent cancer. Its key functions include DNA repair through homologous recombination, regulation of the cell cycle to avoid division of damaged cells, and transcriptional regulation of genes related to DNA repair and apoptosis. BRCA1 works in conjunction with proteins like BRCA2, PALB2, and BARD1. Mutations in the BRCA1 gene can significantly increase the risk of breast, ovarian, and other cancers.

Uniprot ID	P38398
Gene ID	672
Gene Symbol	BRCA1
Gene Aliases	RNF53, BRCA1, Breast cancer type 1 susceptibility protein, RING finger protein 53, RING-type E3 ubiquitin transferase BRCA1

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.