

Catalog Number	PA-RR 000002
Batch Number(s):	PA-B-0001-RR-Rad51
Product Name	Rabbit anti-Human RAD51 Recombinant Monoclonal (BLR017M)

PRODUCT SPECIFICATION

Host	Rabbit
Colonicity	Recombinant Monoclonal
Subclass	IgG
Immunogen	3 Synthetic Peptides Corresponding to Variable Regions within HumanRad51
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

Rad51 is a critical protein in the homologous recombination (HR) process, which is a crucial mechanism for repairing DNA double-strand breaks (DSBs) and maintaining genomic stability. Rad51 foci formation in response to DNA damage is a hallmark of the cellular DNA repair process, particularly Homologous Recombination (HR). When cells encounter DNA Double-Strand Breaks (DSBs) or other forms of DNA damage, Rad51 proteins assemble into discrete nuclear foci at the damage sites.

Uniprot ID	Q06609
Gene ID	5888
Gene Symbol	RAD51
Gene Aliases	RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930

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