

Catalog Number	PA-RR 000015
Batch Number(s):	PA-B-0001-RR-NBS1
Product Name	Rabbit anti-Human NBS1 (P95) Recombinant Monoclonal (BLR040P)

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Recombinant Monoclonal
Subclass	IgG
Immunogen	Immunogen was a peptide in region between residue 985 and 1035, referencing both Uniprot ID O60934 and Gene ID 4683
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

The p95 gene, also known as NBS1 or nibrin, is part of the hMre11/hRad50 complex, which is involved in repairing DNA double-strand breaks. This complex is linked to Nijmegen breakage syndrome, a recessive disorder characterized by higher cancer risk, impaired cell cycle checkpoints, and sensitivity to radiation, highlighting a direct connection between DNA repair and cell cycle control.

Uniprot ID	O60934
Gene ID	4683
Gene Symbol	NBS1
Gene Aliases	AT-V1; AT-V2; ATV; hNbs1; NBN; NBS; NBS1; P95

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