

Catalog Number	PA-RP 000010
Batch Number(s):	PA-B-0001-RP-NBS1
Product Name	Rabbit anti-Human NBS1 (P95) Polyclonal

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Polyclonal
Subclass	IgG
Immunogen	Peptide sequences between Residues 433 and 483, referencing Uniprot 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 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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