



# p95/NBS1 (phospho-Ser343) rabbit pAb

Cat No.:ES14286

For research use only

## Overview

<b>Product Name</b>	p95/NBS1 (phospho-Ser343) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	WB 1:1000-2000
<b>Immunogen</b>	Synthesized phospho peptide around human p95 (Ser343)
<b>Specificity</b>	This antibody detects endogenous levels of Human Mouse p95 or NBS1 (phospho-Ser343)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	p95/NBS1 (Ser343)
<b>Gene Name</b>	NBN NBS NBS1 P95
<b>Cellular localization</b>	Nucleus . Nucleus, PML body . Chromosome, telomere . Chromosome . Localizes to discrete nuclear foci after treatment with genotoxic agents (PubMed:26438602, PubMed:10783165, PubMed:26215093). Acetylation of 'Lys-5' of histone H2AX (H2AXK5ac) promotes NBN/NBS1 assembly at the sites of DNA damage (PubMed:26438602). .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	85kD
<b>Human Gene ID</b>	4683
<b>Human Swiss-Prot Number</b>	O60934
<b>Alternative Names</b>	Nibrin (Cell cycle regulatory protein p95) (Nijmegen breakage syndrome protein 1)
<b>Background</b>	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive





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chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break repair complex which consists of 5 proteins. This gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation. [provided by RefSeq, Jul 2008],



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