



Nibrin (phospho Ser343) rabbit pAb

Cat No.:ES6334

For research use only

Overview

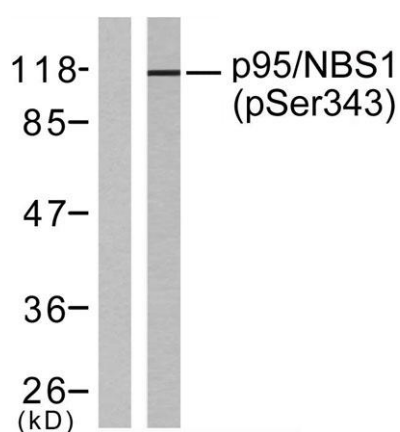
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| Product Name | Nibrin (phospho Ser343) rabbit pAb |
| Host species | Rabbit |
| Applications | WB;ELISA |
| Species Cross-Reactivity | Human;Rat |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human p95/NBS1 around the phosphorylation site of Ser343. AA range:310-359 |
| Specificity | Phospho-Nibrin (S343) Polyclonal Antibody detects endogenous levels of Nibrin protein only when phosphorylated at S343. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Nibrin |
| Gene Name | NBN |
| Cellular localization | 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/ |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 95kD |
| Human Gene ID | 4683 |
| Human Swiss-Prot Number | O60934 |
| Alternative Names | NBN; NBS; NBS1; P95; Nibrin; Cell cycle regulatory protein p95; Nijmegen breakage syndrome protein 1 |





Background

Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive 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],



Western blot analysis of lysates from Jurkat cells, using p95/NBS1 (Phospho-Ser343) Antibody. The lane on the left is blocked with the phospho peptide.

