

Product datasheet for **AP01891PU-S**

p95 NBS1 (NBN) pSer343 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Nibrin (p95/NBS1) pSer343 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~95 kDa
Gene Name:	nibrin
Database Link:	Entrez Gene 4683 Human O60934



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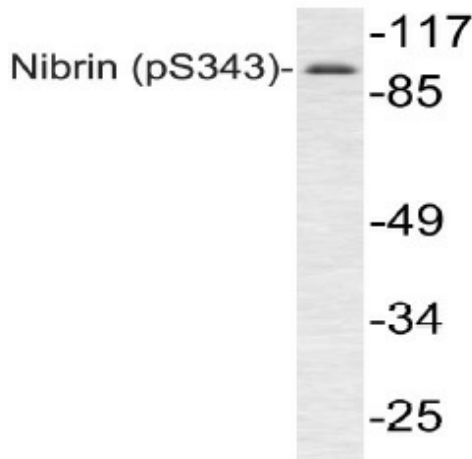
Background:

The p95 gene (identical to NBS1 and nibrin) is a member of the hMre11/hRad50 double-strand break complex (MRN complex). This protein complex has been implicated in Nijmegen breakage syndrome, an autosomal recessive disorder marked by increased cancer incidence, cell cycle checkpoint deficits, and ionizing radiation sensitivity, thus revealing a direct molecular link between double-strand break repair and cell cycle checkpoint functions. In case of infection by adenovirus E4, the MRN complex is inactivated and degraded by viral oncoproteins, thereby preventing concatenation of viral genomes in infected cells. NBS1 is expressed ubiquitously and presents high levels in testis.

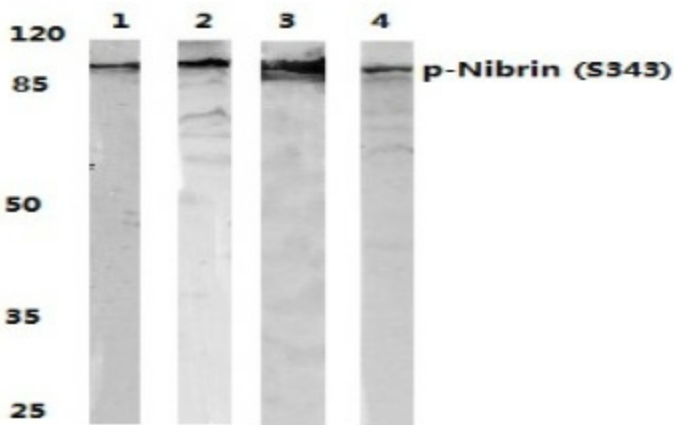
Synonyms:

NBN, NBS, NBS1, P95

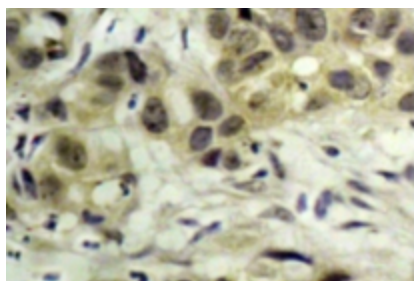
Product images:



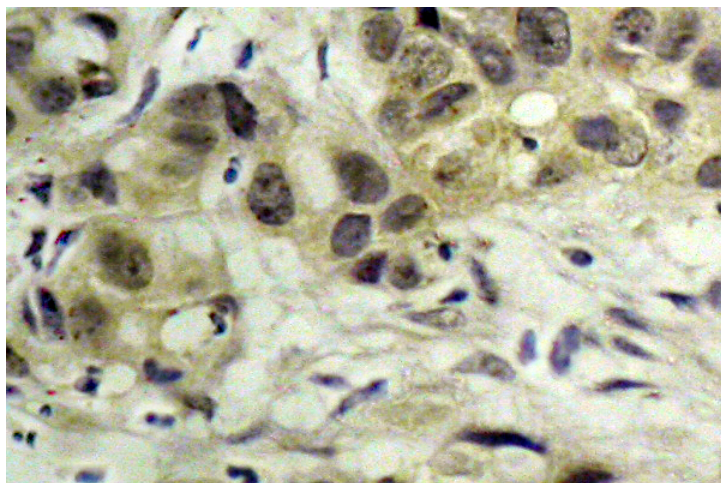
Western blot analysis of p95/NBS1 pSer343 antibody (Cat.-No [AP01891PU-N]) in extracts from HeLa cells.



Western blot analysis of p95/NBS1 pSer343 antibody (Cat.-No [AP01891PU-N]) at 1/500 dilution: Lane 1: Jurkat whole cell lysate. Lane 2: LO2 whole cell lysate treated with UV. Lane 3: Raw264.7 whole cell lysate treated with UV. Lane 4: PC12 whole cell lysate treated with UV.



Immunohistochemistry analysis of p95/NBS1 pSer343 antibody Cat.-No [AP01891PU-N] in paraffin-embedded human tonsil tissue.



Immunohistochemistry (IHC) analyzes of p-p95/NBS1 (pSer343) antibody (Cat.-No.: [AP01891PU-N]) in paraffin-embedded human tonsil tissue.