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Product datasheet for AP02599PU-N

p95 NBS1 (NBN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/100~1/500. Immunohistochemistry: 1/50~1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human p95/NBS1 around the phosphorylation site of Serine 343 (S-L-S*P*-Q-G).
Specificity:	This antibody detects endogenous levels of total p95/NBS1 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4 containing 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	nibrin
Database Link:	Entrez Gene 4683 Human O60934

View online »

Background: The p95 gene (also known as 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:

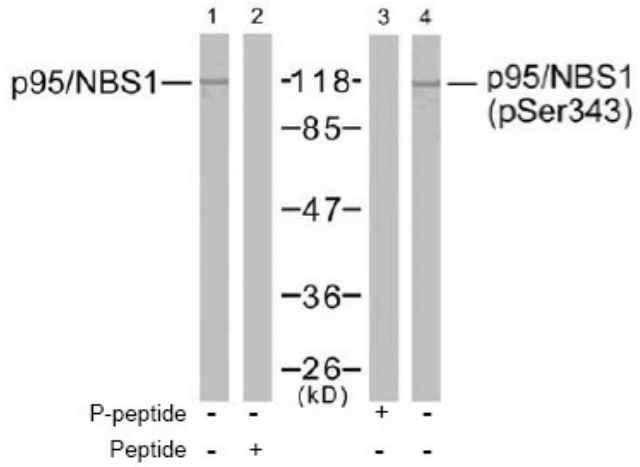

Figure 2. Western blot analysis of extracts from Jurkat cells using p95/NBS1 antibody (: Lane 1 and 2) and p95/NBS1 pSer343 antibody (Lane 3 and 4).

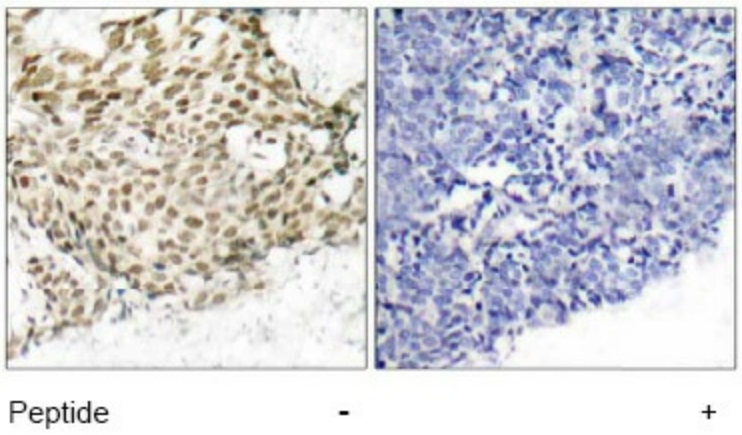

Figure 1. Immunohistochemical analysis of paraffin-embedded Human breast carcinoma tissue using p95/NBS1 antibody.