

Datasheet for ABIN7138565

anti-Nibrin antibody (pSer343)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Nibrin (NBN)
Binding Specificity:	pSer343
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nibrin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 343 (S-L-S(p)-Q-G) derived from Human p95/NBS1.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	Nibrin (NBN)
Alternative Name:	NBN (NBN Products)

Target Details

Background: Background: Mutations in p95/NBS1 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.

Hsu HL, et al (2005) Oncogene, 24(31): 4956-64.
Falck J, et al. (2005) Nature, 434(7033): 605-11.
Buscemi G, et al. (2004) Oncogene, 23(46): 7691-700.
Beausoleil SA, et al. (2004) Proc Natl Acad Sci U S A, 101(33): 12130-5.

Aliases: AT V1 antibody, AT V2 antibody, ATV antibody, Cell cycle regulatory protein p95 antibody, FLJ10155 antibody, MGC87362 antibody, Nbn antibody, NBN_HUMAN antibody, NBS 1 antibody, NBS antibody, NBS1 antibody, Nibrin antibody, Nijmegen breakage syndrome 1 (nibrin) antibody, Nijmegen breakage syndrome antibody, Nijmegen breakage syndrome protein 1 antibody, p95 antibody, p95 protein of the MRE11/RAD50 complex antibody

UniProt: [O60934](#)

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format: Liquid

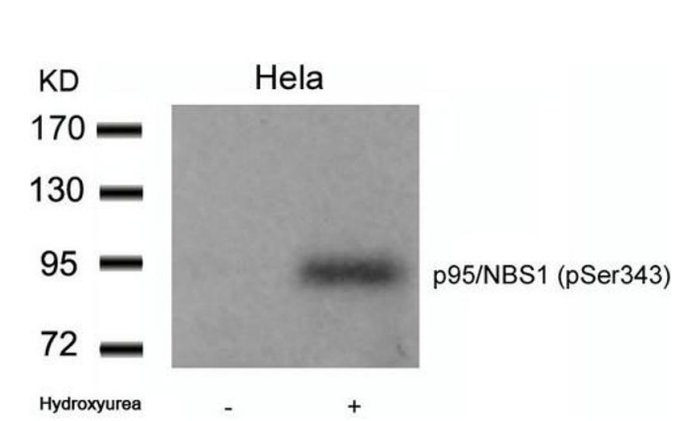
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells untreated or treated with Hydroxyurea using p95/NBS1(Phospho-Ser343) Antibody.