p95/NBS1(Phospho-Ser343) Antibody

Catalog No: #11057



Package Size: #11057-1 50ul #11057-2 100ul #11057-4 25ul

Overview

Product Name	p95/NBS1(Phospho-Ser343) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	p95/NBS1
Modification	Phospho-Ser343
Alternative Names	NBN

Application Details

Predicted MW: 95kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Hela cells untreated or treated with Hydroxyurea using p95/NBS1(Phospho-Ser343) Antibody #11057.

Descriptions	
Immunogen	Peptide sequence around phosphorylation site of serine 343 (S-L-S(p)-Q-G) derived from Human p95/NBS1.
Specificity	The antibody detects endogenous level of p95/NBS1 only when phosphorylated at serine 343.
Purifiction	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 chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02%
	sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: O60934NCBI Protein: NP_002476.2

Related Information

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.

Published Papers

F Carrillo, SA Schneider, AMR Taylor el at., Prominent Oromandibular Dystonia and Pharyngeal Telangiectasia in Atypical Ataxia Telangiectasia., Cerebellum, 8:22B⁻⁻C27(2009)

PMID:18846412

Rachid Drissi, Jing Wu, Yafang Hu el at., Telomere Shortening Alters the Kinetics of the DNA Damage

Response after Ionizing Radiation in Human Cells, Cancer Prevention Research, 4(12):1973B°C1981(2011)

PMID:21930799

Note: This product is for in vitro research use only and is not intended for use in humans or animals.