

# Product Datasheet

## Nbs1 [p Ser343] Antibody NB100-92610-0.01mg

Unit Size: 0.01 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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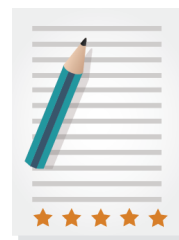
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**NB100-92610-0.01mg**

Nbs1 [p Ser343] Antibody

Product Information	
Unit Size	0.01 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2)
Target Molecular Weight	85 kDa
Product Description	
Host	Rabbit
Gene ID	4683
Gene Symbol	NBN
Species	Human, Mouse, Rat
Immunogen	Synthetic phosphopeptide derived from human Nibrin around the phosphorylation site of Serine 343.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Western blot (WB) analysis of p-p95/NBS1 (S343) pAb in extracts from HeLa cells. Immunohistochemistry (IHC) analyzes of p-p95/NBS1 (S343) pAb in paraffin-embedded human tonsil tissue. Immunocytochemistry/Immunofluorescence was reported in scientific literature.



## Publications

- Sessa G, GOMEZ-Gonzalez B, Silva S et al. BRCA2 promotes R-loop resolution by DDX5 helicase at DNA breaks to facilitate their repair by homologous recombination *The EMBO journal* Feb 26 2021 12:00AM [PMID: 33634895]
- Mano M, Ippodrino R, Zentilin L et al. Genome-wide RNAi screening identifies host restriction factors critical for in vivo AAV transduction *Proc Natl Acad Sci U S A*. 2015 Sep 07 [PMID: 26305933] (WB, Human)
- Zimmermann M, Arachchige-Don AS, Donaldson MS et al. Elevated cyclin G2 expression intersects with DNA damage checkpoint signaling and is required for a potent G2/M checkpoint arrest response to doxorubicin. *J Biol Chem* 2012 Jun 29 [PMID: 22589537]
- Ahmed-Seghir S, Pouvelle C, Despras E et al. Aberrant C-terminal domain of polymerase eta targets the functional enzyme to the proteosomal degradation pathway. *DNA Repair (Amst.)*. 2015 Feb 26 [PMID: 25766642] (WB, Human)
- Wang Y, Hong Y, Li M et al. Mutation Inactivation of Nijmegen Breakage Syndrome Gene (NBS1) in Hepatocellular Carcinoma and Intrahepatic Cholangiocarcinoma. *PLoS One* 2013 Dec 13 [PMID: 24349281] (IHC, WB, Human)
- Despras E, Delrieu N, Garandeau C et al. Regulation of the specialized DNA polymerase eta: revisiting the biological relevance of its PCNA- and ubiquitin-binding motifs *Environ Mol Mutagen* 2012 Dec [PMID: 23076824] (WB, Human)
- Takahashi A, Yamakawa N, Kirita T et al. DNA damage recognition proteins localize along heavy ion induced tracks in the cell nucleus *J Radiat Res* 2008 Nov [PMID: 18987440] (ICC/IF, Human)
- Takahashi A, Mori E, Ohnishi T. The foci of DNA double strand break-recognition proteins localize with gammaH2AX after heat treatment *J Radiat Res* 2010 [PMID: 20173316] (ICC/IF, Human)
- Bohgaki T, Bohgaki M, Cardoso R et al. Genomic instability, defective spermatogenesis, immunodeficiency, and cancer in a mouse model of the RIDDLE syndrome *PLoS Genet* 2011 Apr [PMID: 21552324] (WB, Mouse)
- Tentner AR, Lee MJ, Ostheimer GJ et al. Combined experimental and computational analysis of DNA damage signaling reveals context-dependent roles for Erk in apoptosis and G1/S arrest after genotoxic stress. *Mol. Syst. Biol.* 2012;568. [PMID: 22294094]
- Furusawa Y, Fujiwara Y, Campbell P et al. DNA double-strand breaks induced by cavitational mechanical effects of ultrasound in cancer cell lines. *PLoS ONE* 20127(1):e29012. [PMID: 22235259] (ICC/IF, Human)
- Townsend K, Mason H, Blackford AN et al. Mediator of DNA damage checkpoint 1 (MDC1) regulates mitotic progression. *J Biol Chem*;284(49):33939-48. 2009 Dec 4. [PMID: 19826003] (WB, Human)





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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