

Rabbit anti-Human NBN Polyclonal Antibody | anti-NBN antibody

NBN Antibody (C-term)

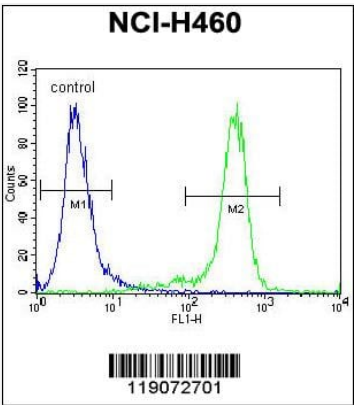
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288145	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

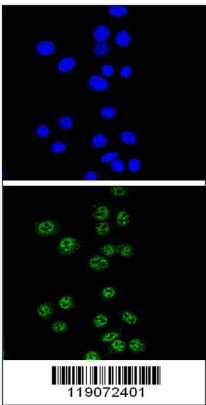
NBN; Polyclonal Antibody; NBN Antibody (C-term); Nibrin; Cell cycle regulatory protein p95; Nijmegen breakage syndrome protein 1; NBS; NBS1; P95; anti-NBN antibody

PRODUCT SPECIFICATIONS

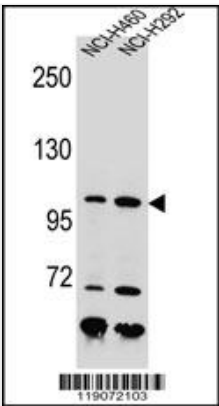
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NBN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 602-630 amino acids from the C-terminal region of human NBN.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.27 (varies by lot)
Sequence Positions	602-630
Sequence Length	754
Applicable Applications for anti-NBN antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
NBN Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of NBN Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
NBN Antibody (C-term) western blot analysis in NCI-H460, NCI-H292 cell line lysates (35ug/lane). This demonstrates the NBN antibody detected the NBN protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NBN antibody	Mutations in this 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.
Product Categories/Family for anti-NBN antibody	Cancer
References	Liu, Y., et al. Carcinogenesis 31(10):1762-1769(2010) Kavitha, C.V., et al. Biochem. Biophys. Res. Commun. 399(4):575-580(2010) Ho-Pun-Cheung, A., et al. Pharmacogenomics J. (2010) In press : Jelonek, K., et al. J. Appl. Genet. 51(3):343-352(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356172
NCBI GeneID	4683

NCBI Accession #	NP_002476.2
NCBI GenBank Nucleotide #	NM_002485.4
UniProt Accession #	O60934; O60672; Q32NF7; Q53FM6; Q63HR6; Q7LDM2; B2R626; B2RNC5
Molecular Weight	84959
NCBI Official Full Name	nibrin
NCBI Official Synonym Full Names	nibrin
NCBI Official Symbol	NBN
NCBI Official Synonym Symbols	ATV; NBS; P95; NBS1; AT-V1; AT-V2
NCBI Protein Information	nibrin
UniProt Protein Name	Nibrin
UniProt Gene Name	NBN
UniProt Synonym Gene Names	NBS; NBS1; P95
UniProt Entry Name	NBN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nbn-antibody-flow-cytometry-immunofluorescence-western-blot-elisa/288145>