



NBN blocking peptide (CDBP5815)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	NBN nibrin [Homo sapiens (human)]
Official Symbol	NBN
Synonyms	NBN; nibrin; ATV; NBS; P95; NBS1; AT-V1; AT-V2; cell cycle regulatory protein p95; Nijmegen breakage syndrome 1 (nibrin); p95 protein of the MRE11/RAD50 complex
Entrez Gene ID	4683

mRNA Refseq	NM_002485
Protein Refseq	NP_002476
UniProt ID	O60934
Pathway	ATM mediated phosphorylation of repair proteins; ATM mediated response to DNA double-strand break; Assembly of the RAD50-MRE11-NBS1 complex at DNA double-strand breaks; BARD1 signaling events; BRCA1-associated genome surveillance complex (BASC); Cell Cycle; Cellular Senescence; Cellular responses to stress
Function	contributes_to ATP-dependent DNA helicase activity; contributes_to damaged DNA binding; protein N-terminus binding; protein binding; transcription factor binding