

Datasheet for ABIN655721  
**anti-Nibrin antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	400 µL
Target:	Nibrin (NBN)
Binding Specificity:	AA 602-630, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nibrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

## Product Details

Immunogen:	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.
Clone:	RB19072
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Nibrin (NBN)
Alternative Name:	NBN ( <a href="#">NBN Products</a> )
Background:	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal

## Target Details

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.

Molecular Weight: 84959

Gene ID: 4683

NCBI Accession: [NP\\_002476](#)

UniProt: [O60934](#)

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

## Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

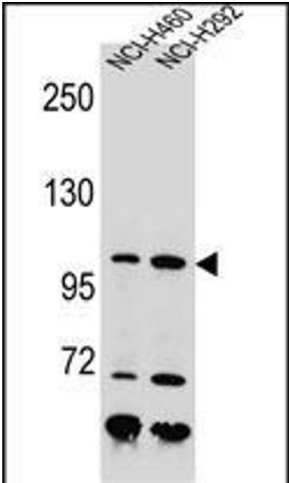
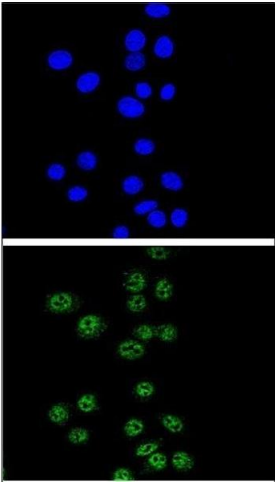
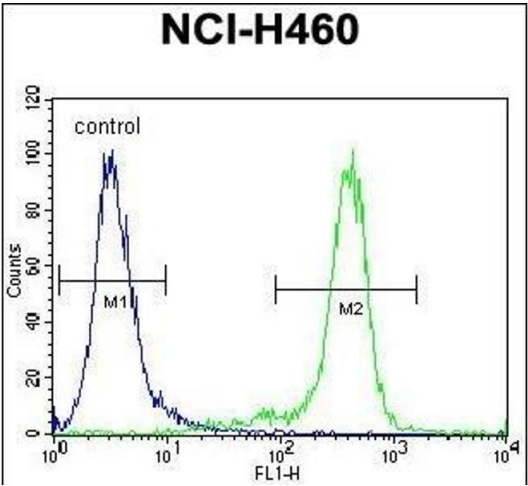
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Flow Cytometry

**Image 1.** NBN Antibody (C-term) (ABIN655721 and ABIN2845169) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of NBN Antibody (C-term) (ABIN655721 and ABIN2845169) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Western Blotting

**Image 3.** NBN Antibody (C-term) (ABIN655721 and ABIN2845169) western blot analysis in NCI-,NCI- cell line lysates (35 µg/lane).This demonstrates the NBN antibody detected the NBN protein (arrow).