Datasheet for ABIN953701

anti-Nibrin antibody (C-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	Nibrin (NBN)
Binding Specificity:	AA 609-638, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nibrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 609-638 amino acids from the C-terminal region of Human Nibrin Genename: NBN
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Nibrin (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	Nibrin (NBN)
Alternative Name:	Nibrin (NBN Products)

Target Details

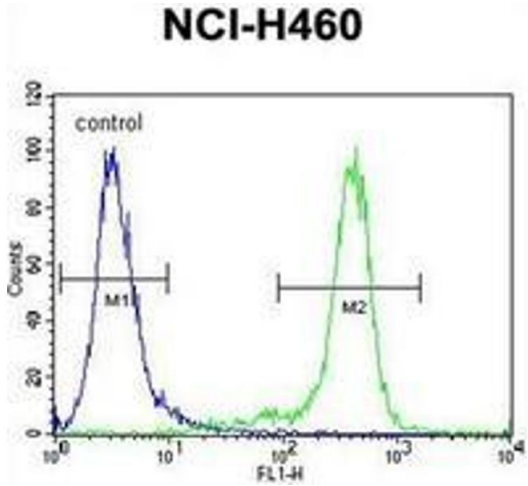
Background:	Mutations in this gene are associated with Nijmegen breakage syndrome, an autosomal recessive chromosomal instability syndrome characterized by microcephaly, growth retardation, immunodeficiency, and cancer predisposition. The encoded protein is a member of the MRE11/RAD50 double-strand break 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.Synonyms: Cell cycle regulatory protein p95, NBN, NBS, NBS1, Nijmegen breakage syndrome protein 1, P95
Molecular Weight:	84959 Da
Gene ID:	4683
NCBI Accession:	NP_002476
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

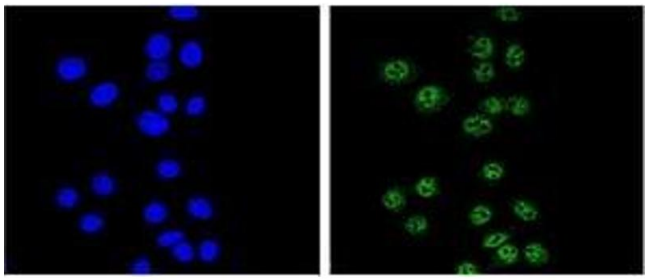
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



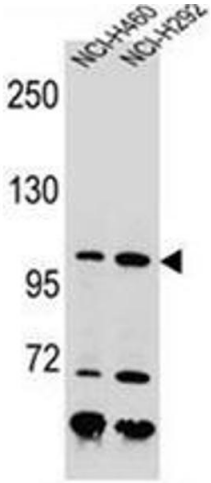
Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H460 cells using Nibrin Antibody (C-term) Cat.-No AP52817PU-N (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 Nibrin Antibody (C-term) Cat.-No AP52817PU-N 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. Western blot analysis of Nibrin Antibody (C-term) in NCI-H460, NCI-H292 cell line lysates (35ug/lane).