

Datasheet for ABIN1724946  
**anti-Nibrin antibody (AA 467-615)**

8 Images

2 Publications

[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Nibrin (NBN)
Binding Specificity:	AA 467-615
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Nibrin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human NBN (AA: 467-615) expressed in E. coli.
Clone:	7E4A2
Isotype:	IgG2a
Purification:	purified

## Target Details

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

## Target Details

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.

Aliases: ATV, NBS, P95, NBS1, AT-V1, AT-V2

Molecular Weight: 85 kDa

Gene ID: 4683

HGNC: 4683

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

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % 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

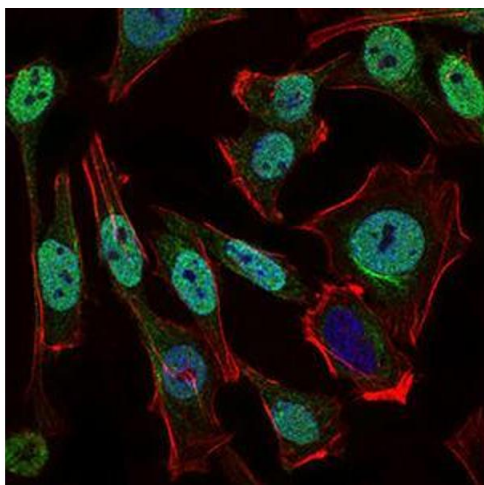
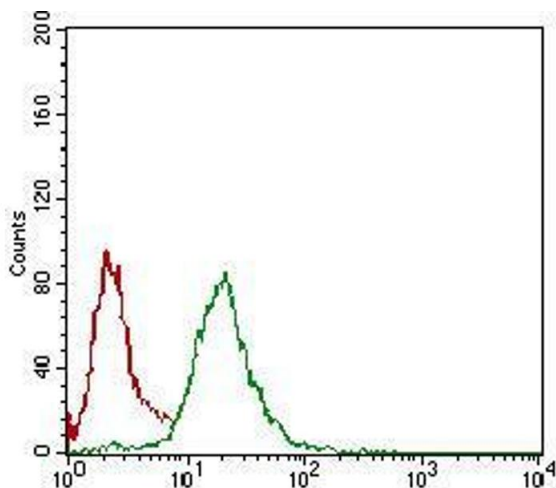
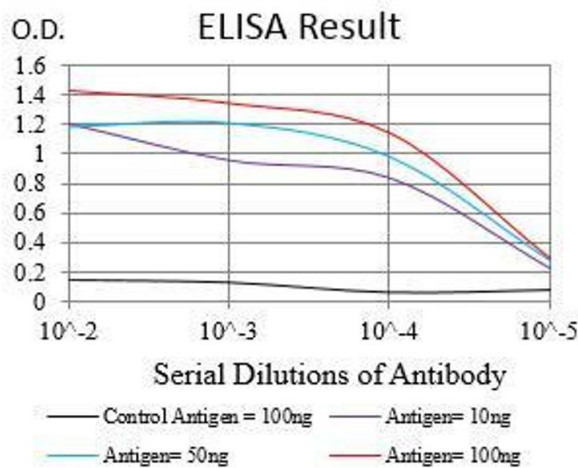
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: **Familial cancer**, Vol. 11, Issue 4, pp. 595-600, (2012) ([PubMed](#)).

Zheng, Zhang, Jiang, You, Liu, Lu, Zhou: "Functional NBS1 polymorphism is associated with occurrence and advanced disease status of nasopharyngeal carcinoma." in: **Molecular**

Images



ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Flow Cytometry

**Image 2.** Flow cytometric analysis of Hela cells using NBN mouse mAb (green) and negative control (red).

Immunofluorescence

**Image 3.** Immunofluorescence analysis of Hela cells using NBN mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN1724946.