

Datasheet for ABIN3043282  
**anti-Nibrin antibody (C-Term)**

## 5 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Nibrin (NBN)
Binding Specificity:	AA 714-745, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Nibrin(NBN) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human p95 NBS1 (714-745aa RKNTLEEWLRQEMEVQNQHAKEESLADDLFR), different from the related mouse sequence by three amino acids, and from the related rat sequence by five amino acids.
Sequence:	RKNTLEEWL RQEMEVQNQH AKEESLADDL FR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Nibrin(NBN) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: nibrin Protein Name: Nibrin

## Product Details

Purification: Immunogen affinity purified.

## Target Details

Target: Nibrin (NBN)

Alternative Name: NBN ([NBN Products](#))

Background: P95 NBS1, also known as NBN or Nibrin, is a protein which in humans is encoded by the NBN gene. Nibrin is a protein associated with the repair of double strand breaks (DSBs) which pose serious damage to a genome. It is a 754 amino acid protein identified as a member of the NBS1/hMre11/RAD50(N/M/R, more commonly referred to as MRN) double strand DNA break repair complex. This complex recognizes DNA damage and rapidly relocates to DSB sites and forms nuclear foci. It also has a role in regulation of N/M/R (MRN) protein complex activity which includes end-processing of both physiological and mutagenic DNA double strand breaks (DSBs).

Synonyms: AT V1 antibody|AT V2 antibody|ATV antibody|ATV antibody|Cell cycle regulatory protein p95 antibody|FLJ10155 antibody|MGC87362 antibody|NBN antibody|NBN\_HUMAN antibody|NBS 1 antibody|NBS antibody|NBS antibody|NBS1 antibody|Nibrin antibody|Nibrin antibody| Nijmegen breakage syndrome 1 (nibrin) antibody|Nijmegen breakage syndrome antibody|Nijmegen breakage syndrome protein 1 antibody|p95 antibody|p95 antibody|p95 protein of the MRE11/RAD50 complex antibody

Gene ID: 4683

UniProt: [O60934](#)

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

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

## Application Details

Restrictions: For Research Use only

## Handling

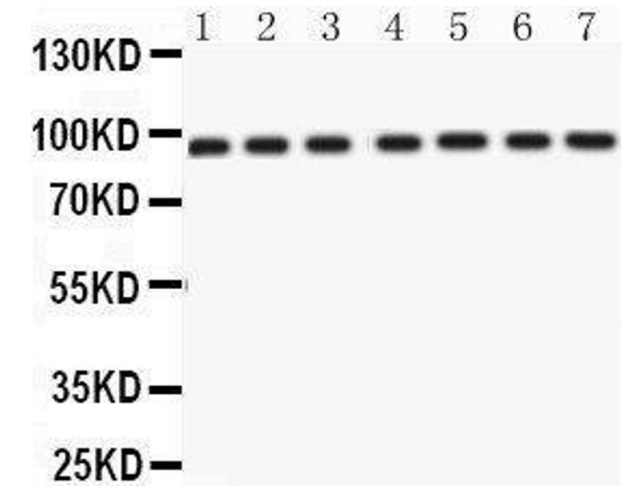
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



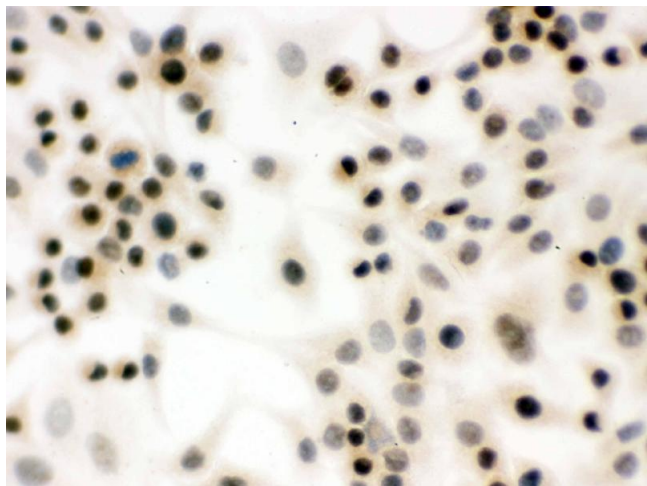
### Immunohistochemistry

**Image 1.** Anti-p95 NBS1 Picoband antibody, IHC(P) IHC(P):  
Human Mammary Cancer Tissue



Western Blotting

Image 2.



Immunohistochemistry

**Image 3.** IHC analysis of p95 NBS1 using anti-p95 NBS1 antibody . p95 NBS1 was detected in immunocytochemical section of A549 cell. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-p95 NBS1 Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3043282.