

# NBS1/NBN Rabbit mAb

Catalog No.: A4197 **Recombinant** **1 Publications**

## Basic Information

### Observed MW

95kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB,IP,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC0926

## 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.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

### Gene ID

4683

### Swiss Prot

O60934

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

ATV; NBS; P95; NBS1; AT-V1; AT-V2; NBS1/NBN

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

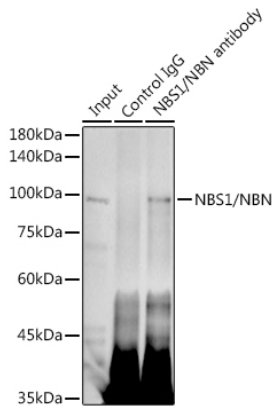
Affinity purification

### Storage

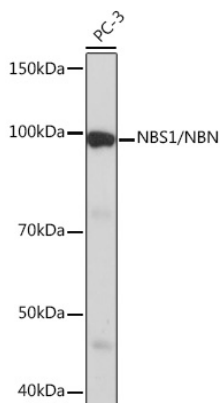
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Immunoprecipitation analysis of 300  $\mu$ g extracts of 293T cells using 3  $\mu$ g NBS1/NBN antibody (A4197). Western blot was performed from the immunoprecipitate using NBS1/NBN antibody (A4197) at a dilution of 1:1000.



Western blot analysis of lysates from PC-3 cells, using NBS1/NBN Rabbit mAb (A4197) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.