

Datasheet for ABIN2855584

**anti-Nibrin antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Nibrin (NBN)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nibrin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human NBS1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to NBS1 (nibrin) NBS1 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

## Target Details

Target:	Nibrin (NBN)
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## Target Details

Alternative Name:	nibrin ( <a href="#">NBN Products</a> )
Background:	<p>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.</p> <p>Cellular Localization: Nucleus (By similarity) , Telomere (By similarity)</p>
Molecular Weight:	85 kDa
Gene ID:	4683
UniProt:	<a href="#">O60934</a>
Pathways:	<a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

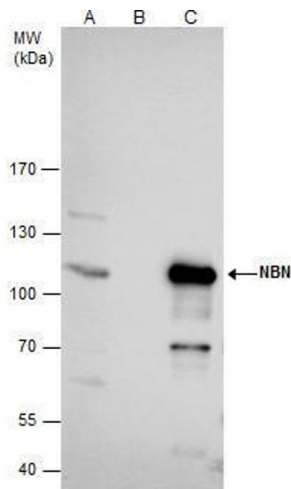
Application Notes:	WB: 1:500-1:10000. ICC/IF: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	<p>Positive Control: NT2D1 , 293T , A431 , HeLa , HepG2 , 293T</p> <p>Validation: KO/KD</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS ( pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

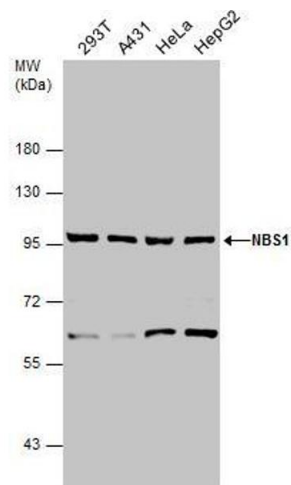
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104394 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



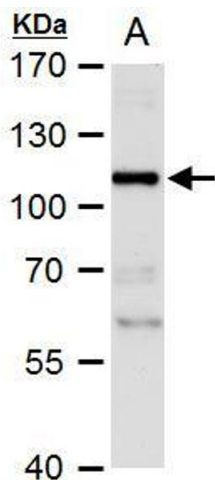
Immunoprecipitation

**Image 1.** IP Image NBS1 antibody immunoprecipitates nibrin protein in IP experiments. IP samples: NT2D1 whole cell extract A. 50 µg NT2D1 whole cell extract B. Control with 4 µg of preimmune Rabbit IgG C. Immunoprecipitation of nibrin protein by 4 µg NBS1 antibody , 7.5 % SDS-PAGE The immunoprecipitated nibrin protein was detected by NBS1 antibody , diluted at 1:500. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



Western Blotting

**Image 2.** WB Image Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with NBS1 antibody , diluted at 1:2000.



Western Blotting

**Image 3.** WB Image NBS1 antibody detects NBS1 protein by western blot analysis. A. 30 µg NT2D1 whole cell extract 7.5 % SDS-PAGE NBS1 antibody , dilution: 1:5000

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855584.