

Datasheet: VMA00403

BATCH NUMBER 160322

Description:	MOUSE ANTI NBS1
Specificity:	NBS1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	UMAB100
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen Recombinant protein fragment corresponding to aa 183-460 of human NBS1 (NP_002476) produced in *E.coli*

External Database Links

UniProt:

[O60934](#) [Related reagents](#)

Entrez Gene:

[4683](#) NBN [Related reagents](#)

Synonyms NBS, NBS1, P95

Specificity **Mouse anti Human NBS1 antibody** recognizes NBS1, also known as nibrin, Nijmegen breakage syndrome 1, cell cycle regulatory protein p95 and p95 protein of the MRE11/RAD50 complex.

Mutations in the NBN 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. The NBN gene product is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation (provided by RefSeq, Jul 2008).

Mouse anti Human NBS1 antibody detects a band of 95 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti NBS1 detects a band of approximately 95 kDa in HEK293 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00403>
Antibody (10048)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M374530:201112'

Printed on 13 Aug 2023

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