

## Datasheet: VMA00403

<b>Description:</b>	MOUSE ANTI NBS1
<b>Specificity:</b>	NBS1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Monoclonal
<b>Clone:</b>	UMAB100
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Mouse monoclonal antibody purified by affinity chromatography from ascites
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	Recombinant protein fragment corresponding to aa 183-460 of human NBS1 (NP_002476) produced in <i>E.coli</i>
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">O60934</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">4683</a> NBN <a href="#">Related reagents</a>
<b>Synonyms</b>	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.

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

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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

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**Shelf Life** As supplied, 12 months from date of despatch.

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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