

Datasheet: VMA00524

BATCH NUMBER 170420

Description:	MOUSE ANTI NBS1
Specificity:	NBS1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/3A3
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

Species Cross Reactivity

Reacts with: Rat
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	<i>E. coli</i> -derived recombinant human NBS1 (amino acids 461 - 754)
External Database Links	<p>UniProt: O60934 Related reagents</p> <p>Entrez Gene: 4683 NBN Related reagents</p>
Synonyms	NBS, NBS1, P95
Specificity	<p>Mouse anti Human NBS1 antibody recognizes nibrin, also known as ATV, NBN or p95.</p> <p>Mutations in the NBS1 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. NBS1 is thought to be involved in DNA double-strand break repair and DNA damage-induced checkpoint activation (provided by RefSeq, Jul 2008)</p> <p>Mouse anti Human NBS1 antibody detects a band of 95 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti NBS1 detects a band of approximately 95 kDa in K562 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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/VMA00524 Antibody (10040)
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
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