

Datasheet: VPA00590

Description:	RABBIT ANTI MRE11
Specificity:	MRE11
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
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

Rabbit polyclonal antibody purified by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
 2% Sucrose.

Immunogen

Synthetic peptide directed towards the middle region of human MRE11A

External Database Links	UniProt: P49959 Related reagents Entrez Gene: 4361 MRE11A Related reagents
Synonyms	HNGS1, MRE11
Specificity	<p>Rabbit anti Human MRE11 antibody recognizes the double-strand break repair protein MRE11, also known as AT-like disease, DNA recombination and repair protein, MRE11 homolog 1, MRE11 homolog A, endo/exonuclease Mre11, meiotic recombination 11 homolog 1 or meiotic recombination 11 homolog A.</p> <p>MRE11A gene encodes a nuclear protein involved in homologous recombination, telomere length maintenance, and DNA double-strand break repair. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein forms a complex with the RAD50 homolog; this complex is required for nonhomologous joining of DNA ends and possesses increased single-stranded DNA endonuclease and 3' to 5' exonuclease activities. In conjunction with a DNA ligase, this protein promotes the joining of noncomplementary ends <i>in vitro</i> using short homologies near the ends of the DNA fragments. Mutations in the MRE11A gene causes Ataxia-telangiectasia-like disorder 1 (ATLD1), a rare disorder characterized by progressive cerebellar ataxia, dysarthria, abnormal eye movements, and absence of telangiectasia (Stewart et al. 1999). MRE11A has a pseudogene on chromosome 3. Alternative splicing of MRE11A results in two transcript variants encoding different isoforms (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human MRE11 antibody detects a band of 81 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti MRE11 detects a band of approximately 81 kDa in HeLa 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 #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [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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