

Rabbit MRE11 Polyclonal Antibody | anti-MRE11 antibody

MRE11 Antibody

CATALOG # AAA305472	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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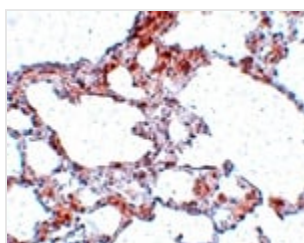
PRODUCT SYNONYMS

MRE11; Polyclonal Antibody; MRE11 Antibody; Meiotic recombination 11 homolog; MRE11A; MRE11B; ATLD; HNGS; anti-MRE11 antibody

PRODUCT SPECIFICATIONS

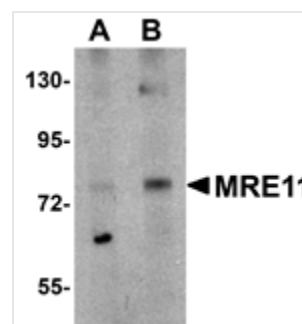
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	708
Applicable Applications for anti-MRE11 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the amino terminus human MRE11.
Target Name	MRE11
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of MRE11 in rat lung tissue with MRE11 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of MRE11 in rat lung tissue lysate with MRE11 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MRE11 antibody	MRE11 is involved in the repair of DNA double strand breaks as part of a complex that includes the Rad50 and NBS1 protein and is thought to act in the same pathway as the A-T mutated (ATM) protein. 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 non-homologous 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 in vitro using short homologies near the ends of the DNA fragments. Mutations in this protein result in a novel ataxia telangiectasia-like disorder (ATLD). Unlike the ATM protein, MRE11 is necessary proper mammalian development.
Product Categories/Family for anti-MRE11 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119587336
NCBI GeneID	4361
Molecular Weight	81,070 Da
NCBI Official Full Name	MRE11 meiotic recombination 11 homolog A (S. cerevisiae), isoform CRA_a
NCBI Official Synonym Full Names	MRE11 homolog A, double strand break repair nuclease
NCBI Official Symbol	MRE11A
NCBI Official Synonym Symbols	ATLD; HNGS1; MRE11; MRE11B
NCBI Protein Information	double-strand break repair protein MRE11A
UniProt Protein Name	Double-strand break repair protein MRE11A
UniProt Gene Name	MRE11A
UniProt Synonym Gene Names	HNGS1; MRE11; MRE11 homolog 1; MRE11 homolog A
UniProt Entry Name	MRE11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mre11-antibody-immunohistochemistry-western-blot-elisa/305472>