Rabbit MRE11 Polyclonal Antibody | anti-MRE11A antibody

MRE11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39353	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

MRE11; Polyclonal Antibody; MRE11 Antibody; ATLD; HNGS1; MRE11B; Double-strand break repair protein MRE11A; Meiotic recombination 11 homolog 1; MRE11 homolog 1; MRE11 meiotic recombination 11 homolog A (S. cerevisiae); anti-MRE11A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MRE11 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	708
Applicable Applications for anti-MRE11A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	MRE11 antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus human MRE11.
Buffer	MRE11 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	MRE11 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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

IF (Immunofluorescence)
Immunofluorescence of MRE11 in rat lung tissue with MRE11 antibody at 20 μg/mL.

IHC (Immunohiostchemistry)
Immunohistochemistry of MRE11 in rat lung tissue with MRE11 antibody at 5 μg/mL.

WB (Western Blot)
Western blot analysis of MRE11 in A549 cell lysate with MRE11 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-MRE11A antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119587336
NCBI GeneID	4361
UniProt Accession #	P49959; O43475; B3KTC7
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 meiotic recombination 11 homolog A (S. cerevisiae)
NCBI Official Symbol	MRE11A
NCBI Official Synonym Symbols	ATLD; HNGS1; MRE11; MRE11B
NCBI Protein Information	double-strand break repair protein MRE11A; AT-like disease; MRE11 homolog 1; MRE11 homolog A; endo/exonuclease Mre11; meiotic recombination 11 homolog 1; meiotic recombination 11 homolog A; DNA recombination and repair protein
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-immunofluorescence-immunohistochemistry-western-blot-elisa/39353