

Rabbit anti-Human Mre11 Polyclonal Antibody | anti-MRE11 antibody

Rabbit anti-Mre11 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212436	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Mre11; Polyclonal Antibody; Rabbit anti-Mre11 Antibody; Affinity Purified; MRE11B; MRE11 homolog 1; MRE11 homolog A; double strand break repair nuclease; MRE11 homolog; double strand break repair nuclease A; MRE11 meiotic recombination 11 homolog A; MRE11A; meiotic recombination 11 homolog 1; MRE11 meiotic recombination 11-like protein A; meiotic recombination 11 homolog A; HNGS1; endo/exonuclease Mre11; double-strand break repair protein MRE11A; double-strand break repair protein MRE11; DNA recombination and repair protein; AT-like disease; ATLD; MRE11 double strand break repair nuclease A; Double-strand break repair protein MRE11A; anti-MRE11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MRE11 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 658 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Mre11 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, and Jurkat cells. Antibodies: Affinity purified rabbit anti-Mre11 antibody AAA212436 (lot AAA212436-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

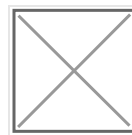


IP (Immunoprecipitation)

Detection of human Mre11 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP; 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-Mre11 antibody AAA212436 (lot AAA212436-1) used for IP at 6 ug/mg lysate. Mre11 was inefficiently immunoprecipitated by rabbit anti-Mre11 antibody BL14387. For blotting immunoprecipitated Mre11, AAA212436 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

**IHC (Immunohistochemistry)**

Detection of human Mre11 by immunohistochemistry. Sample: FFPE section of human stomach linitis plastica. Antibody: Affinity purified rabbit anti-Mre11 (Cat. No. AAA212436 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

**FCM/FACS (Flow Cytometry)**

Detection of human Mre11 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-Mre11 polyclonal antibody (AAA212436) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for anti-MRE11 antibody	Mre11 is a component of the MRN complex and plays a role in telomere maintenance and double-strand break (DSB) repair. Mre11 associates with rad50 in the MRN complex. Mre11 possesses 3'- 5' exonuclease activity that is involved in creating DNA termini in DSB suitable for priming DNA synthesis and ligation.
Product Categories/Family for anti-MRE11 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031923
NCBI GeneID	4361
NCBI Accession #	NP_005582.1
NCBI GenBank Nucleotide #	NM_005591.3
UniProt Accession #	P49959 ; O43475 ; B3KTC7
Molecular Weight	81,070 Da
NCBI Official Full Name	double-strand break repair protein MRE11A isoform 1
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
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-flow-cytometry-immunohistochemistry-immunoprecipitation-western-blot-elisa/212436>