

Datasheet for ABIN500290
anti-Mre11 antibody (N-Term)

2 Images



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Overview

Quantity:	0.1 mg
Target:	Mre11 (MRE11A)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Mre11 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	14 amino acid peptide from near the amino terminus Human MRE11
Isotype:	IgG
Specificity:	At least two isoforms of MRE11 are known to exist, this antibody will recognize both isoforms.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	Mre11 (MRE11A)
Alternative Name:	MRE11 (MRE11A Products)

Target Details

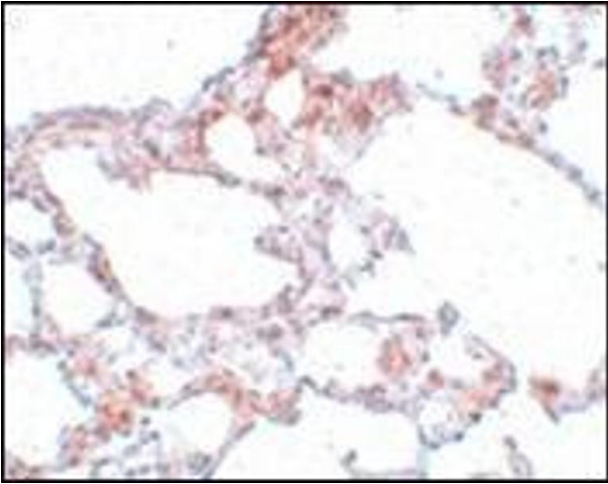
Background:	MRE11 is involved in the repair of DNA double strand breaks as part of a complex that includes the Rad50 and NBS1 protein and is thought to act in the same pathway as the A-T mutated (ATM) protein. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein 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.Synonyms: Double-strand break repair protein MRE11A, HNGS1, MRE11 homolog 1, MRE11 meiotic recombination 11 homolog A, MRE11A
Gene ID:	4361
UniProt:	P49959
Pathways:	DNA Damage Repair

Application Details

Application Notes:	ELISA. Western blot. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

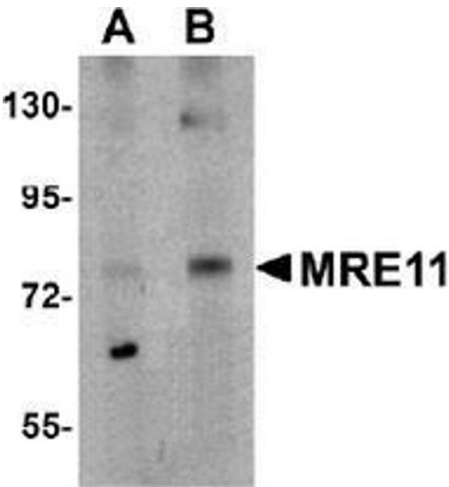
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of MRE11 in rat lung tissue with MRE11 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of MRE11 in rat lung tissue lysate with MRE11 Antibody at (A) 1 and (B) 2 µg/ml.