

# MRE11 Rabbit mAb

Catalog No.: A4222

Recombinant

1 Publications

## Basic Information

**Observed MW**

81kDa

**Calculated MW**

81kDa

**Category**

Primary antibody

**Applications**

WB, ELISA, ChIP

**Cross-Reactivity**

Human, Mouse

**CloneNo number**

ARC0931

## Background

This 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 in vitro using short homologies near the ends of the DNA fragments. This gene has a pseudogene on chromosome 3. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

## Recommended Dilutions

**WB** 1:500 - 1:2000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.**ChIP** 5µg antibody for 10µg-15µg of Chromatin

## Immunogen Information

**Gene ID**

4361

**Swiss Prot**

P49959

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

ATLD; HNGS1; MRE11A; MRE11B; MRE11

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data

