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

 $10\mu g$ - $15\mu g$ of Chromatin

Immunogen Information

Gene ID Swiss Prot4361
P49959

Immunogen

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

Synonyms

ATLD; HNGS1; MRE11A; MRE11B; MRE11

Contact

a		400-999-6126
\bowtie		cn.market@abclonal.com.cn
•	Ī	www.abclonal.com.cn

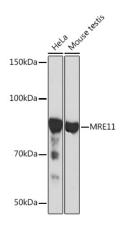
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

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

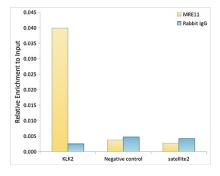


Western blot analysis of various lysates using MRE11 Rabbit mAb (A4222) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Chromatin immunoprecipitation analysis of extracts of LNCaP cells, using Mre11 antibody (A4222) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.