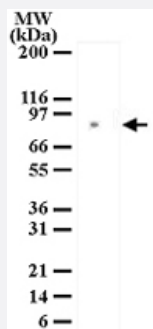


MRE11A polyclonal antibody

Catalog # PAB0179

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis for MRE11A in 293 cells : 10 ug per lane 293 cell lysate was resolved by SDS-PAGE and the blot was probed with 2 ug/mL MRE11A polyclonal antibody (Cat # PAB0179). A protein band of approximate molecular weight of 81 KDa is detected.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MRE11A.
Immunogen	A synthetic peptide corresponding to human MRE11.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — MRE11A

Entrez GeneID [4361](#)

Gene Name MRE11A

Gene Alias ATLD, HNGS1, MRE11, MRE11B

Gene Description MRE11 meiotic recombination 11 homolog A (S. cerevisiae)

Omim ID [600814](#) [604391](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations AT-like disease|DNA recombination and repair protein|double-strand break repair protein MRE11A|endo/exonuclease Mre11|meiotic recombination 11 homolog A

Pathway

- [Homologous recombination](#)
- [Non-homologous end-joining](#)

Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Spinocerebellar ataxia](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)