
MRE11 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254197

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: MRE11; Meiotic recombination 11 homolog; MRE11A; MRE11B; ATLD; HNGS

Accession No.: EAW66932

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human MRE11.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.