

Product datasheet for **TA342247**

MRE11 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-MRE11A antibody: synthetic peptide directed towards the N terminal of human MRE11A. Synthetic peptide located within the following region: DTFVTLDEILRLAQENEVDFILLGGDLFHENKPSRRTLHTCLELLRKYCM |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Concentration: | lot specific |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 80 kDa |
| Gene Name: | MRE11 homolog A, double strand break repair nuclease |
| Database Link: | NP_005582 Entrez Gene 4361 Human P49959 |



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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. [provided by RefSeq, Jul 2008]

Synonyms: ATLD; HNGS1; MRE11; MRE11B

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Yeast: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Goat: 93%; Zebrafish: 93%

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Homologous recombination, Non-homologous end-joining

Product images:



WB Suggested Anti-MRE11A Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: 721_B cell lysate MRE11A is supported by
BioGPS gene expression data to be expressed in
721_B