

OriGene Technologies, Inc.

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Product datasheet for TA342247

MRE11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
lsotype:	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: DTFVTLDEILRLAQENEVDFILLGGDLFHENKPSRKTLHTCLELLRKYCM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
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:	<u>NP_005582</u> <u>Entrez Gene 4361 Human</u> <u>P49959</u>

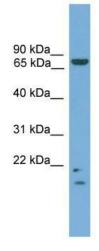


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MRE11 Rabbit Polyclonal Antibody – TA342247

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 lysateMRE11A is supported by BioGPS gene expression data to be expressed in 721_B

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