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Product datasheet for TA319245

MRE11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP
Recommended Dilution:	ELISA: 1:10,000 - 1:50,000, WB: 1:500- 1:2,000
Reactivity:	Saccharomyces cerevisiae
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 578-590 of Saccharomyces cerevisiae (baker's yeast) Mre11 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	MRE11 homolog A, double strand break repair nuclease
Database Link:	NP_005581 Entrez Gene 4361 Human P49959
Synonyms:	ATLD; HNGS1; MRE11; MRE11B
Note:	Mre11 (also known as double-strand break repair protein MRE11) is a subunit of a complex with Rad50 and Xrs2 (RMX complex) that functions in repair of DNA double-strand breaks and in telomere stability. Mre11 possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity that appears to be required for RMX function. This nuclear protein is widely conserved and is also involved in meiotic double strand break processing.
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Homologous recombination, Non-homologous end-joining

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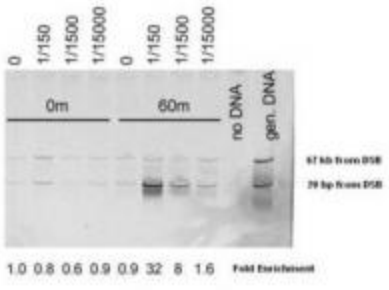
Product images:



ChIP using Mre11 (S. cerevisiae) antibody. Chromatin was immunoprecipitated with the antibody at the stated dilutions. Immunocomplexes were captured using polyacrylamide bead linked secondary antibodies. The resultant immunoprecipitate was probed by multiplex PCR, using primers 20 bp from the MAT locus double strand break (lower arrow) and 67 kb from the break (upper band, control locus).

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