



MRE11 Polyclonal Antibody (31H4)

Catalog Number A14032

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Flow Cytometry (Flow)	Assay-dependent
Type	Antibody	Immunohistochemistry (IHC)	Assay-dependent
Clone	31H4	Immunoprecipitation (IP)	Assay-dependent
Immunogen	Synthetic peptide corresponding to residues surrounding Lys496 of human Mre11A.	Western Blot (WB)	1:1,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Storage Conditions	-20°C		

Background/Target Information

MRE11 (double-strand break repair protein MRE11) is a component of the MRN complex. This complex plays a central role in double-strand break repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-stranded endonuclease activity and double-strand-specific 3'-5' exonuclease activity which are provided by MRE11. RAD50 is required to bind DNA ends and hold them in close proximity. Mutations in the gene could result in ataxia-telangiectasia-like disorder 1.

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