

MRE11 Monoclonal Antibody (44B12)

Catalog NumberMA5-17261

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG2b	Tested Applications	
Class	Monoclonal	Immunoprecipitation (IP)	Dilution *2 µg
Type	Antibody	Western Blot (WB)	0.2 µg/mL
Clone	44B12	* 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.	
Immunogen	Recombinant human protein purified from E.coli (His-MRE11)		
Conjugate	Unconjugated		
Form	liquid		
Concentration	1 mg/mL		
Storage Conditions	-20°C		

Product specific information

A suggested positive control for this product is HeLa cell lysate.

Background/Target Information

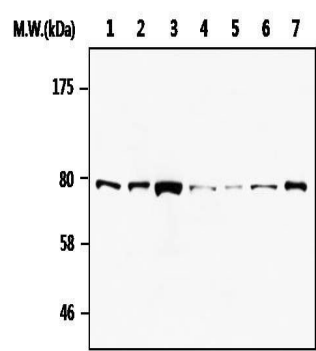
MRE11 (double-strand break repair protein MRE11) is a component of the MRN complex. This complex plays a central role in double-strand break repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-stranded endonuclease activity and double-strand-specific 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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MRE11 Antibody (MA5-17261) in WB

Western blot analysis of MRE11 using anti-MRE11 monoclonal antibody (Product # MA5-17261) on (Lane 1) HeLa Cell lysate, (Lane 2) SK-N-MC Cell lysate, (Lane 3) K562 Cell lysate, (Lane 4) A431 Cell lysate, (Lane 5) HepG2 Cell lysate, (Lane 6) SK-BR3 Cell lysate and (Lane 7) Ramos Cell lysate.

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