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**Product Information**

<b>Product SKU:</b>	CAB2559	<b>Gene ID:</b>	4361	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse

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**Additional Information**

<b>Observed MW:</b>	81kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	81kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

<b>Background:</b>	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.
<b>Recommended Dilution:</b>	WB:1:500 - 1:1000 IHC-P:1:50 - 1:200
<b>Synonyms:</b>	ATLD; HNGS1; MRE11A; MRE11B; MRE11
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-302 of human MRE11 (NP_005582.1).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.