

Anti-Mre11 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P101905

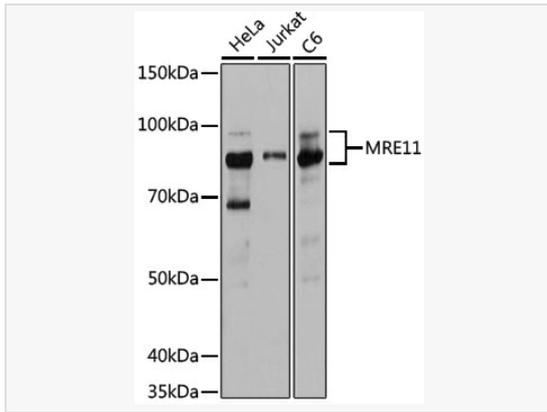
Product Information

Application	WB, IP, ELISA
Reactivity	Human, Rat
Dilution	WB 1:500~1:1,000; IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 290-485 of human MRE11 (NP_005582.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Mre11 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ATLD; HNGS1; MRE11A; MRE11B; MRE11.
Calculated MW	Calculated MW: 81 kDa; Observed MW: 81 kDa
Uniprot ID	P49959
Gene ID	4361
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.

Validation Images



Western blot analysis of various lysates using MRE11 Rabbit pAb (P101905) at 1:1,000 dilution.

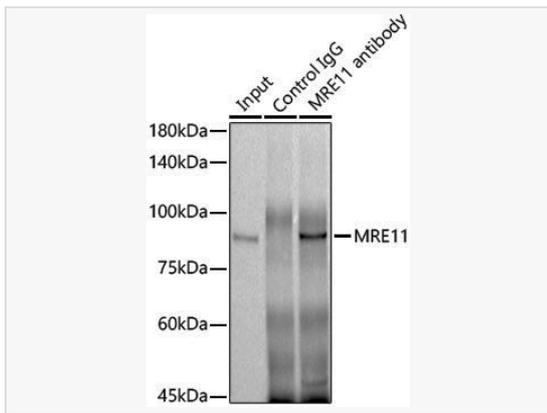
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit.

Exposure time: 5s.



Immunoprecipitation analysis of 300 μ g extracts of HeLa cells using 3 μ g MRE11 antibody (P101905). Western blot was performed from the immunoprecipitate using MRE11 antibody (P101905) at a dilution of 1:1000.