

AP1514

Leader in Biomolecular Solutions for Life Science



Phospho-MRE11 (Ser676) Rabbit pAb

Catalog No.: AP1514

Basic Information

Observed MW

81kDa

Calculated MW

81kDa

Category

Polyclonal Antibody

Applications

WB

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

4361

Swiss Prot

P49959

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

ATLD; HNGS1; MRE11A; MRE11B; Phospho-MRE11 (Ser676)

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

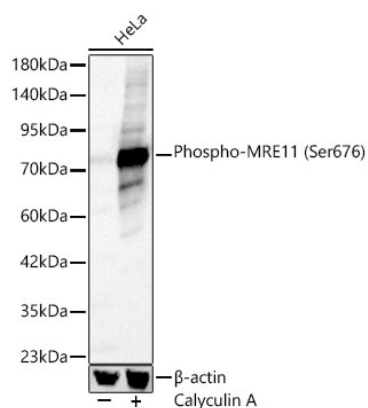
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells using Phospho-MRE11 (Ser676) Rabbit pAb (AP1514) at 1:800 dilution. HeLa cells were treated with Calyculin A (200 nM) at 37°C for 18 hours after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.