

CABP1514

Product Information

Product SKU: CABP1514	Gene ID: 4361	Size: 20uL, 100uL
Clone No: -	Host Species: Rabbit	Reactivity: Human

Additional Information

Observed MW: 81kDa	Conjugate: Unconjugated
Calculated MW: 81kDa	Isotype: IgG

Immunogen Information

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 Dilution: WB, 1:500 - 1:1000

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

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around S676 of human MRE11 (NP_005582.1).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.