

• Rabbit Anti-Phospho-Mre11 (Ser676) Polyclonal Antibody

Primary Antibodies

Background:

Mre11 is a component of the MRN complex, which plays a critical role in double-strand break repair (DSB), DNA recombination, maintenance of telomere integrity, and meiosis. Mre11 has both single-strand endonuclease and double strand-specific 3'-5' exonuclease activities. Rad50, another component of the MRN complex, is postulated to bind to DNA ends and hold them in close proximity, thus facilitating searches for regions of sequence homology, and also possibly stimulating the activity of DNA ligases and/or restricting Mre11 activity. Mutations in Mre11 may cause breast cancer.

Source/Purification:

KLH conjugated Synthesised phosphopeptide derived from rat Mre11 around the phosphorylation site of Ser676. Was purified by Protein A and peptide affinity chromatography.

Modification Site:

Ser676

**Storage:** Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

**Size:** 100ul or 100ug lyophilized

**Concentration:** 1ug/uL

**Host:** Rabbit

**Reactivities:** Human, Mouse, Rat, Dog,

Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications.  
Optimal working dilutions must be determined by the end user.

**Antibody Type:** Polyclonal

**Isotype:** IgG

**Molecular Weight:** 80kDa

Preservatives:

10ug/uL BSA and 0.1% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.