

## Mre11 (Phospho-Ser676) Antibody FITC Conjugated

Catalog No: #C04606F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Mre11 (Phospho-Ser676) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	HuB MsB RtB
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from rat Mre11 around the phosphorylation site of Ser676
Conjugates	FITC
Target Name	Mre11 Ser676
Other Names	Mre 11; MRE 11a; MRE 11b; MRE11 homolog 1; MRE11 meiotic recombination 11 homolog A; MRE11a; MRE11b; AT like disease; Ataxia telangiectasia disorder like; Ataxia-telangiectasia disorder-like; ATLD; DNA recombination and repair protein; Double strand break repair protein MRE11A; Double-strand break r
Accession No.	NCBI Gene ID4361
Uniprot	P49959
GeneID	4361;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IF=1:50-200B

## 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.

Note: This product is for in vitro research use only