

Mre11 Conjugated Antibody

Catalog No: #C49512



Package Size: #C49512-AF350 100ul #C49512-AF405 100ul #C49512-AF488 100ul
 #C49512-AF555 100ul #C49512-AF594 100ul #C49512-AF647 100ul
 #C49512-AF680 100ul #C49512-AF750 100ul #C49512-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	Mre11 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AT like disease antibody Ataxia telangiectasia disorder like antibody ATLD antibody DNA recombination and repair protein antibody Double strand break repair protein MRE11A antibody Double-strand break repair protein MRE11A antibody endo/exonuclease Mre11 antibody HNGS1 antibody meiotic recombination (S. cerevisiae) 11 homolog A antibody Meiotic recombination 11 homolog 1 antibody meiotic recombination 11 homolog A (S. cerevisiae) antibody Meiotic recombination 11 homolog A antibody MmMRE11A antibody Mre 11 antibody MRE 11a antibody MRE 11b antibody MRE11 homolog 1 antibody MRE11 homolog A antibody MRE11 meiotic recombination 11 homolog A (S. cerevisiae) antibody MRE11 meiotic recombination 11 homolog A antibody MRE11_HUMAN antibody MRE11A antibody MRE11b antibody OTTHUMP00000236830 antibody OTTHUMP00000236831 antibody OTTHUMP00000236832 antibody OTTHUMP00000236833 antibody
Accession No.	Swiss-Prot#:P49959
Uniprot	P49959
GeneID	4361;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	81 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Component of the MRN complex, which plays a central role in double-strand break (DSB) repair, DNA recombination, maintenance of telomere integrity and meiosis. The complex possesses single-strand endonuclease activity and double-strand-specific 3'-5' exonuclease activity, which are provided by MRE11. RAD50 may be required to bind DNA ends and hold them in close proximity. This could facilitate searches for short or long regions of sequence homology in the recombining DNA templates, and may also stimulate the activity of DNA ligases and/or restrict the nuclease activity of MRE11 to prevent nucleolytic degradation past a given point. The complex may also be required for DNA damage signaling via activation of the ATM kinase. In telomeres the MRN complex may modulate t-loop formation.

Note: This product is for in vitro research use only