Mre11 Rabbit mAb

Catalog No: #49512

Package Size: #49512-1 50ul #49512-2 100ul

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

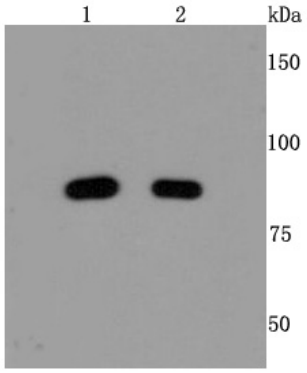
Description

Product Name	Mre11 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM11-18
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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;
Calculated MW	81 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

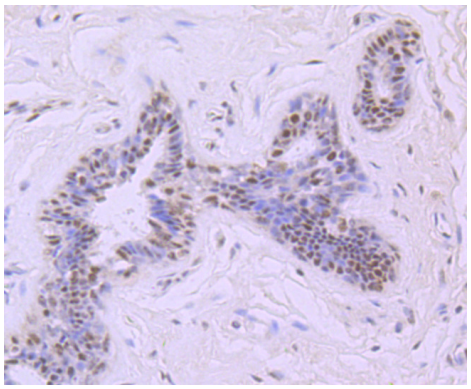
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200

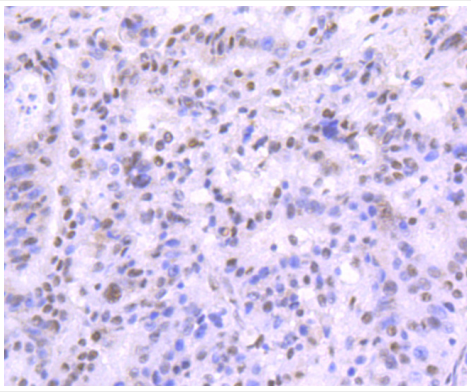
Images



Western blot analysis of Mre11 on different cells lysates using anti-Mre11 antibody at 1/500 dilution. Positive controlοΩ½οΩ½ Line 1: 293T Line 2: Hela



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti- Mre11 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti- Mre11 antibody. Counter stained with hematoxylin.

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.

References

Note: This product is for in vitro research use only