

For Research Use Only

# MRE11A Monoclonal antibody, PBS Only



Catalog Number: 67570-1-PBS

## Basic Information

<b>Catalog Number:</b> 67570-1-PBS	<b>GenBank Accession Number:</b> BC063458	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4361	<b>CloneNo.:</b> 1B12B2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P49959	
<b>Isotype:</b> IgG1	<b>Full Name:</b> MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG28847	<b>Observed MW:</b> 81 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, Mouse, Rat

## Background Information

Mre11 (meiotic recombination 11), also named as Mre11A, is a component of the MRN (MRE11/RAD50/NBS1) complex which is a versatile complex, playing a key role in the sensing, processing, and repair of DSBs. MRE11 possesses both endonuclease and 3'-5' exonuclease activity. It contains two DNA-binding domains (DBDs), enabling it to bind both single-stranded DNA (ssDNA) and double-stranded DNA (dsDNA). After DSBs, MRE11 is loaded onto DSBs sites and cleaves DNA by cooperating with CtIP (CtBP [C terminal binding protein] interacting protein) to initiate end resection. It's reported that MRE11 is over-expressed in breast cancers. (PMID:38128537; 22914783)

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

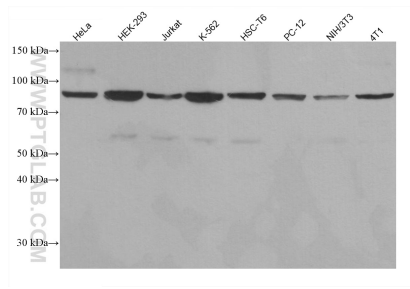
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67570-1-Ig (MRE11A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67570-1-PBS in a different storage buffer formulation.