

For Research Use Only

MRE11 Polyclonal antibody, PBS Only

Catalog Number:10744-1-PBS



Basic Information

Catalog Number:

10744-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1105

GenBank Accession Number:

BC005241

GeneID (NCBI):

4361

UNIPROT ID:

P49959

Full Name:

MRE11 meiotic recombination 11 homolog A (S. cerevisiae)

Calculated MW:

81 kDa

Observed MW:

81 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, 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.

Storage Buffer:

PBS only, pH7.3

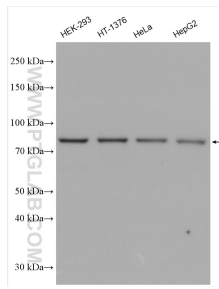
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

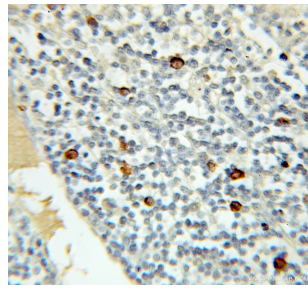
E: proteintech@ptglab.com
W: ptglab.com

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

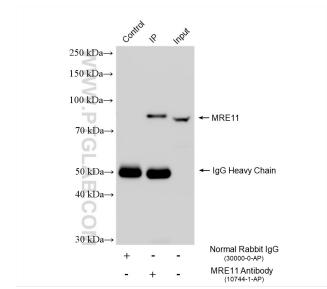
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10744-1-AP (MRE11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10744-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 10744-1-AP (MRE11 antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 10744-1-PBS in a different storage buffer formulation.



IP result of anti-MRE11 (IP:10744-1-AP, 4ug; Detection:10744-1-AP 1:1000) with HeLa cells lysate 960 ug. This data was developed using the same antibody clone with 10744-1-PBS in a different storage buffer formulation.