

Datasheet for ABIN2786814

anti-Mre11 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	Mre11 (MRE11A)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Guinea Pig, Cow, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MRE11A
Sequence:	RFRETRQKNT NEEDDEVREA MTRARALRSQ SEESASAFSA DDLMSIDLAE
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against MRE11A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Mre11 (MRE11A)
Alternative Name:	MRE11A (MRE11A Products)
Background:	This gene encodes a nuclear protein involved in homologous recombination, telomere length

Target Details

maintenance, and DNA double-strand break repair. By itself, the protein has 3' to 5' exonuclease activity and endonuclease activity. The protein forms a complex with the RAD50 homolog, this complex is required for nonhomologous joining of DNA ends and possesses increased single-stranded DNA endonuclease and 3' to 5' exonuclease activities. In conjunction with a DNA ligase, this protein promotes the joining of noncomplementary ends in vitro using short homologies near the ends of the DNA fragments. This gene has a pseudogene on chromosome 3. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

Alias Symbols: ATLD, HNGS1, MRE11, MRE11B

Protein Interaction Partner: HUWE1, CIAO1, ATRX, BRCA1, RPA3, RPA2, RPA1, EED, ABCF1, C14orf166, RTCB, RPL26L1, NELFB, IGF2BP3, LRRFIP1, MAP7, EIF2B2, EIF2B3, YBX3, RPL27, RFC4, QARS, NMT1, HNRNPM, ILF2, HNRNPU, HNRNPA2B1, FLII, DHX9, DDX1, LMNA, PAN2, UBC, MCM2, GINS1, MDC1, RNF8, C

Protein Size: 708

Molecular Weight:	80 kDa
Gene ID:	4361
NCBI Accession:	NM_005591 , NP_005582
UniProt:	P49959
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 708 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images


90 kDa__

65 kDa__

40 kDa__

31 kDa__

22 kDa__



Rabbit Anti-MRE11A Antibody

Catalog Number: ARP56645

Lot Number: QC27645

Lane: PANC1 Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1. WB Suggested Anti-MRE11A

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: PANC1 cell lysate


90 kDa__

65 kDa__

40 kDa__

31 kDa__

22 kDa__



Western Blotting

Image 2. WB Suggested Anti-MRE11A Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:12500

Positive Control: PANC1 cell lysate