Datasheet for ABIN2774155

anti-Mre11 antibody (N-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	Mre11 (MRE11A)
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Rabbit, Saccharomyces cerevisiae, Guinea Pig, Cow, Horse, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Mre11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human MRE11A
Sequence:	DTFVTLDEIL RLAQENEVDF ILLGGDLFHE NKPSRKTLHT CLELLRKYCM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against MRE11A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Mre11 (MRE11A)

Target Details

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

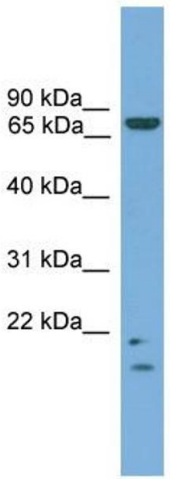
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which 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

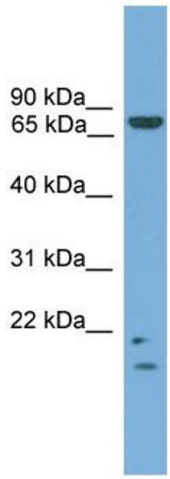


Western Blotting

Image 1. WB Suggested Anti-MRE11A Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: 721_B cell lysate



Western Blotting

Image 2. WB Suggested Anti-MRE11A

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control:.21_B cell lysate

MRE11A is supported by BioGPS gene expression data to be expressed in 721_B