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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56645_P050-Biotin
Product Page	www.avivasysbio.com/mre11-antibody-middle-region-biotin-arp56645-p050-biotin.html
Name	MRE11 Antibody - middle region : Biotin (ARP56645_P050-Biotin)
Protein Size (# AA)	708 amino acids
Molecular Weight	80kDa
Conjugation	Biotin
NCBI Gene Id	4361
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	MRE11 homolog, double strand break repair nuclease
Alias Symbols	ATLD, HNGS1, MRE11A, MRE11B
Peptide Sequence	Synthetic peptide located within the following region: RFRETROKNTNEEDDEVREAMTRARALRSQSEESASAFSADDLMSIDLAE
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	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.
Protein Interactions	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
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-MRE11 (ARP56645_P050-Biotin) antibody
Blocking Peptide	For anti-MRE11 (ARP56645_P050-Biotin) antibody is Catalog# AAP56645 (Previous Catalog# AAPP39402)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human MRE11A
Uniprot ID	P49959
Protein Name	double-strand break repair protein MRE11
Protein Accession #	NP_005582
Purification	Affinity Purified
Nucleotide Accession #	NM_005591
Gene Symbol	MRE11
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 93%; Rabbit: 86%; Rat: 86%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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