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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP56644_P050-HRP
Product Page	www.avivasysbio.com/mre11-antibody-n-terminal-region-hrp-arp56644-p050-hrp.html
Name	MRE11 Antibody - N-terminal region : HRP (ARP56644_P050-HRP)
Protein Size (# AA)	708 amino acids
Molecular Weight	80kDa
Conjugation	HRP: Horseradish Peroxidase
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: DTFVTLDEILRLAQENEVDFILLGGDLFHENKPSRKTLHTCLELLRKYCM
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
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 (ARP56644_P050-HRP) antibody
Blocking Peptide	For anti-MRE11 (ARP56644_P050-HRP) antibody is Catalog# AAP56644 (Previous Catalog# AAPP39401)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MRE11A
Uniprot ID	P49959
Protein Name	double-strand break repair protein MRE11
Sample Type Confirmation	MRE11A is supported by BioGPS gene expression data to be expressed in 721_B
Protein Accession #	NP_005582
Purification	Affinity Purified
Nucleotide Accession #	NM_005591
Gene Symbol	MRE11
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Goat: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 100%; Zebrafish: 93%
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.

AVIVA SYSTEMS BIOLOGY
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com