



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

|                              |  |
|------------------------------|--|
| Product Number               | ARP56644_P050-Biotin   |
| Product Page                 | <a href="http://www.avivasysbio.com/mre11-antibody-n-terminal-region-biotin-arp56644-p050-biotin.html">www.avivasysbio.com/mre11-antibody-n-terminal-region-biotin-arp56644-p050-biotin.html</a>   |
| Name                         | MRE11 Antibody - N-terminal region : Biotin (ARP56644_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:<br><a href="#">DTFVTLDEILRLAQENEVDFILLGGDLFHENKPSRKTLHTCLELLRKYCM</a>   |
| 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 <a href="#">anti-MRE11 (ARP56644_P050-Biotin) antibody</a>   |
| Blocking Peptide             | For anti-MRE11 (ARP56644_P050-Biotin) antibody is <a href="#">Catalog # AAP56644</a> (Previous Catalog # AAPP39401)  |
| Immunogen                    | The immunogen is a synthetic peptide directed towards the N terminal region of human MRE11A  |
| Uniprot ID                   | <a href="#">P49959</a>   |
| 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 #          | <a href="#">NP_005582</a>  |
| Purification                 | Affinity Purified  |
| Nucleotide Accession #       | <a href="#">NM_005591</a>  |
| Gene Symbol                  | <a href="#">MRE11</a>  |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish   |

|   |  |
|---|--|
| <b>Application</b>                                    | WB   |
| <b>Predicted Homology Based on Immunogen Sequence</b> | Cow: 100%; Dog: 100%; Goat: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 100%; Zebrafish: 93% |
| <b>Image 1</b>  |   |

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](mailto:info@avivasysbio.com)