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EME1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP6288a

Specification

EME1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q96AY2

EME1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 146956

Other Names
Crossover junction endonuclease EME1, 3122-, MMS4 homolog, hMMS4, EME1, MMS4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6288a was selected from the N-term region of human EME1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EME1 Antibody (N-term) Blocking Peptide - Protein Information

Name EME1

EME1 Antibody (N-term) Blocking Peptide - Background

EME1 and MUS81 (MIM 606591) form an endonuclease complex that cleaves branched DNA structures, especially those arising during stalled DNA replication (Abraham et al., 2003 [PubMed 14609959]).[supplied by OMIM]

EME1 Antibody (N-term) Blocking Peptide - References

Taylor,E.R., Proc. Natl. Acad. Sci. U.S.A. 105 (10), 3757-3762 (2008)Olsen,J.V., Cell 127 (3), 635-648 (2006)

Synonyms MMS4

Function
Interacts with MUS81 to form a DNA structure-specific endonuclease with substrate preference for branched DNA structures with a 5'-end at the branch nick. Typical substrates include 3'-flap structures, replication forks and nicked Holliday junctions. May be required in mitosis for the processing of stalled or collapsed replication forks.

Cellular Location
Nucleus, nucleolus. Note=Recruited to regions of DNA damage in S-phase cells

EME1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides