

### EME1 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP6288a

### **Specification**

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

Primary Accession <a href="Q96AY2">Q96AY2</a>

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 <a href=/product/pr oducts/AP6288a>AP6288a</a> 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

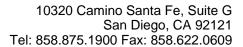
Name EME1

# 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