

anti-Human, Rat EME1 Polyclonal Antibody | anti-EME1 antibody

Anti-EME1 Antibody

CATALOG # AAA46354	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	---------------------------------	---

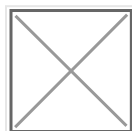
PRODUCT SYNONYMS

EME1; Polyclonal Antibody; Anti-EME1 Antibody; Crossover junction endonuclease EME1; 6820428D13; EC 3.1.22.-; Eme1 essential meiotic endonuclease 1 homolog 1 (S. pombe); S. pombe; homolog of; 1; EME1_HUMAN; essential meiotic endonuclease 1 homolog 1 (S pombe); Essential Meiotic Endonuclease 1 Homolog 1; essential meiotic endonuclease 1 homolog 2; Essential meiotic endonuclease 1; FLJ31364; hMMS4; homolog of yeast EME1 endonuclease; MGC106543; MMS4; MMS4 homolog; MMS4L; essential meiotic structure-specific endonuclease 1; anti-EME1 antibody

PRODUCT SPECIFICATIONS

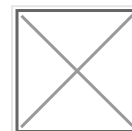
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	583
Applicable Applications for anti-EME1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human EME1 (520-561aa DKERQNLLADIQVRRGEGVTSTSRRIPELSRRIYLQMTTLQ), different from the related mouse sequence by five amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



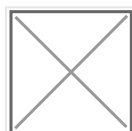
IHC (Immunohistochemistry)

Anti- EME1 Picoband antibody, AAA46354,IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)

Anti- EME1 Picoband antibody, AAA46354,IHC(P)IHC(P): Rat Intestine Tissue



WB (Western Blot)

Anti- EME1 Picoband antibody, AAA46354, Western blottingAll lanes: Anti EME1 (AAA46354) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: HUT Whole Cell Lysate at 40ugPredicted bind size: 62KDObserved bind size: 62KD

ADDITIONAL INFORMATION

Related Product Information for anti-EME1 antibody	Description: Rabbit IgG polyclonal antibody for Crossover junction endonuclease EME1(EME1) detection. Tested with WB, IHC-P in Human;Rat. Background: Crossover junction endonuclease EME1 is an enzyme that in humans is encoded by the EME1 gene. It is mapped to 17q21.33. This gene encodes a protein that complexes with methyl methanesulfonate-sensitive UV-sensitive 81 protein to form an endonuclease complex. The encoded protein interacts with specific DNA structures including nicked Holliday junctions, 3'-flap structures and aberrant replication fork structures. Also, this protein may be involved in repairing DNA damage and in maintaining genomic stability. Alternative splicing results in multiple transcript variants.
References	1. "Entrez Gene: EME1 essential meiotic endonuclease 1 homolog 1 (S. pombe)". 2. Abraham, J., Lemmers, B., Hande, M. P., Moynahan, M. E., Chahwan, C., Ciccia, A., Essers, J., Hanada, K., Chahwan, R., Khaw, A. K., McPherson, P., Shehabeldin, A., Laister, R., Arrowsmith, C., Kanaar, R., West, S. C., Jasin, M., Hakem, R. Eme1 is involved in DNA damage processing and maintenance of genomic stability in mammalian cells. EMBO J. 22: 6137-6147, 2003. 3. Ciccia A, Constantinou A, West SC (Jun 2003). "Identification and characterization of the human mus81-eme1 endonuclease". J Biol Chem 278 (27): 25172-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	260763969
NCBI GeneID	146956
NCBI Accession #	NP_001159603.1
NCBI GenBank Nucleotide #	NM_001166131.1
UniProt Accession #	Q96AY2; Q96N62
Molecular Weight	64,779 Da
NCBI Official Full Name	crossover junction endonuclease EME1 isoform 1
NCBI Official Synonym Full Names	essential meiotic structure-specific endonuclease 1
NCBI Official Symbol	EME1
NCBI Official Synonym Symbols	MMS4L; SLX2A
NCBI Protein Information	crossover junction endonuclease EME1
UniProt Protein Name	Crossover junction endonuclease EME1
UniProt Gene Name	EME1
UniProt Synonym Gene Names	MMS4; hMMS4
UniProt Entry Name	EME1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/eme1-antibody-immunohistochemistry-western-blot-elisa/46354>