

Rabbit anti-Human EME1 Polyclonal Antibody | anti-EME1 antibody

EME1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325312	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

EME1; Polyclonal Antibody; EME1 Antibody; 6820428D13; Crossover junction endonuclease EME1; 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; anti-EME1 antibody

PRODUCT SPECIFICATIONS

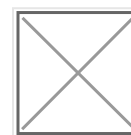
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	EME1 antibody detects endogenous levels of total EME1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	583
Applicable Applications for anti-EME1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus. Recruited to regions of DNA damage in S-phase cells.
Predicted Cross Reactivity	Rabbit, Dog
Similarity	Rabbit (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO cells, using EME1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325312 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EME1 antibody	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. Subunit Structure: May self-associate. Interacts with MUS81. Similarity: Belongs to the EME1/MMS4 family.
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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	Observed: 65 kD Predicted: 64 kDa
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

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eme1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325312>