

Product Name: Eme1 Rabbit Polyclonal Antibody**Catalog #: APRab10437**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight	65kDa

Antigen Information

Gene Name	EME1
Alternative Names	EME1; MMS4; Crossover junction endonuclease EME1; MMS4 homolog; hMMS4
Gene ID	146956.0
SwissProt ID	Q96AY2
Immunogen	Synthesized peptide derived from Eme1 . at AA range: 250-330

Background

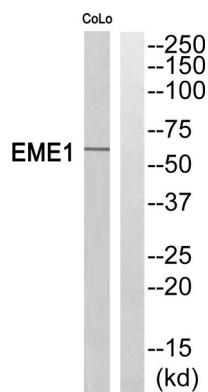
This gene encodes a protein that complexes with methyl methanesulfonate-sensitive UV-sensitive 81 protein to form an endonuclease complex. The encoded protein interacts with specific DNA structures including nicked Holliday junctions, 3'-flap

structures and aberrant replication fork structures. This protein may be involved in repairing DNA damage and in maintaining genomic stability. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009],cofactor:Magnesium.,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.,similarity:Belongs to the EME1/MMS4 family.,subcellular location:Recruited to regions of DNA damage in S-phase cells.,subunit:May self-associate. Interacts with MUS81. Interacts with ERCC4 and FANCM.,

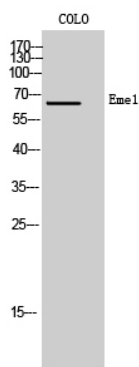
Research Area

Homologous recombination;

Image Data



Western blot analysis of EME1 Antibody. The lane on the right is blocked with the EME1 peptide.



Western Blot analysis of COLO cells using Eme1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .