ARG59414
anti-EME1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EME1
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EME1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-320 of Human EME1 (NP_689676.2).
Conjugation	Un-conjugated
Alternate Names	MMS4 homolog; MMS4L; SLX2A; EC 3.1.22.-; Crossover junction endonuclease EME1; hMMS4

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat thymus and Mouse thymus
Observed Size	63 kDa

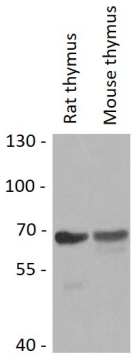
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	EME1
Gene Full Name	essential meiotic structure-specific endonuclease 1
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 specifc 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]
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. [UniProt]
Calculated Mw	63 kDa
Cellular Localization	Nucleus, nucleolus. Note=Recruited to regions of DNA damage in S-phase cells. [UniProt]

Images



ARG59414 anti-EME1 antibody WB image

Western blot: 25 µg of Rat thymus and Mouse thymus lysates stained with ARG59414 anti-EME1 antibody at 1:1000 dilution.