EME1 Antibody

Mouse Monoclonal Antibody [Clone MTA31 7H2/1]

Catalog No	Format	Size
146956-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
146956-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
146956-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

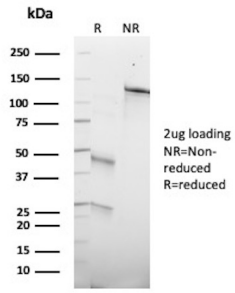
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	MTA31 7H2/1
Gene Name	EME1
Immunogen	His-tagged recombinant Eme1 of human origin
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	65kDa
Cellular Localization	Nucleolus, Nucleus
Species Reactivity	Human
Positive Control	HEK293T or U-87 MG cells. Human tonsil.

**Optimal dilution for a specific application should be determined.*

Product Images for EME1 Antibody



SDS-PAGE Analysis of Purified Crossover junction endonuclease EME1 Mouse Monoclonal Antibody (MTA31 7H2/1). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Essential meiotic endonuclease 1 (Eme1), a member of the Eme1/Mms4 family, associates with Mus81 to constitute a heterodimeric endonuclease that has been implicated in mitotic and meiotic recombination in eukaryotes. The Mus81-Eme1 complex cleaves branched DNA structures, especially those arising during stalled DNA replication such as replication forks and 3' DNA flaps. When purified from yeast, this complex cleaves synthetic Holliday junctions into linear duplex DNA. These findings provide compelling evidence that Mus81-Eme1 complexes are essential elements of the eukaryotic nuclear Holliday junction resolvase. Eme1 may also be required in mitosis for the processing of collapsed replication forks. Eme1 is typically localized to the nucleolus and is recruited to regions of DNA damage in S phase cells.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.