

EME1 monoclonal antibody, clone 7h2/1

Catalog # MAB2490

Size 50 uL

Specification

Product Description Mouse monoclonal antibody raised against EME1.

Immunogen Human EME1.

Host Mouse

Reactivity Human

Specificity human EME1.

Form Liquid

Isotype IgG1

Quality Control Testing Antibody Reactive Against Recombinant Protein.

Recommend Usage Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.09% sodium azide)

Storage Instruction Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — EME1

Entrez GeneID	146956
Gene Name	EME1
Gene Alias	FLJ31364, MMS4L
Gene Description	essential meiotic endonuclease 1 homolog 1 (S. pombe)
Omim ID	610885
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	essential meiotic endonuclease 1 homolog 1 essential meiotic endonuclease 1 homolog 2 homolog of yeast EME1 endonuclease

Publication Reference

- [The EGFR-STAT3 oncogenic pathway up-regulates the Eme1 endonuclease to reduce DNA damage after topoisomerase I inhibition.](#)

Vigneron A, Gamelin E, Coqueret O.

Cancer Research 2008 Feb; 68(3):815.

Application: WB, Human, HCT-116 cells

Pathway

- [Homologous recombination](#)

Disease

- [Brain Neoplasms](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)

- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)