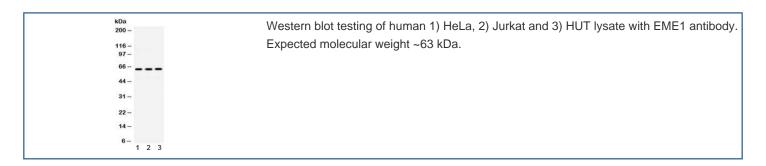


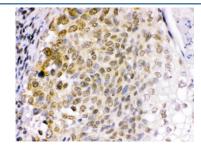
# EME1 Antibody (R32300)

Catalog No.	Formulation	Size
R32300	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

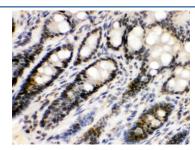
## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q96AY2
Localization	Nuclear
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This EME1 antibody is available for research use only.

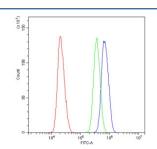




IHC testing of FFPE human lung cancer tissue with EME1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat intestine with EME1 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Flow cytometry testing of human U-2 OS cells with EME1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= EME1 antibody.

### **Description**

Crossover junction endonuclease EME1 is an enzyme that in humans is encoded by the EME1 gene. It is mapped to 17q21.33. 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. Also, this protein may be involved in repairing DNA damage and in maintaining genomic stability. Alternative splicing results in multiple transcript variants.

## **Application Notes**

Optimal dilution of the EME1 antibody should be determined by the researcher.

#### **Immunogen**

Amino acids DKERQNLLADIQVRRGEGVTSTSRRIGPELSRRIYLQMTTLQ of human EME1 were used as the immunogen for the EME1 antibody.

#### **Storage**

After reconstitution, the EME1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.