

Product datasheet for **TA338859**

EME1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-EME1 antibody: synthetic peptide directed towards the middle region of human EME1. Synthetic peptide located within the following region: AYPSPQLLVQAYQQCFSDKERQNLLADIQVRRGEGVTSTSRIGPELSRR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	63 kDa
Gene Name:	essential meiotic structure-specific endonuclease 1
Database Link:	NP_689676 Entrez Gene 146956 Human Q96AY2



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Background:	EME1 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. EME1 may be required in mitosis for the processing of stalled or collapsed replication forks. EME1 and MUS81 (MIM 606591) form an endonuclease complex that cleaves branched DNA structures, especially those arising during stalled DNA replication (Abraham et al., 2003 [PubMed 14609959]). [supplied by OMIM]
Synonyms:	MMS4L; SLX2A
Note:	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93%; Horse: 93%; Bovine: 93%; Guinea pig: 79%
Protein Pathways:	Homologous recombination

Product images:

WB Suggested Anti-EME1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 312500; Positive Control: HT1080 cell lysate