

## **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:

AYPSPQLLVQAYQQCFSDKERQNLLADIQVRRGEGVTSTSRRIGPELSRR

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**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



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



**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]

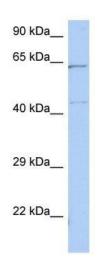
Synonyms: MMS4L; SLX2A

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