

bs-14578R**[Primary Antibody]****EME2 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow) Predicted MW.: 41 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 197342	SWISS: A4GXA9	
Target: EME2		
Immunogen: KLH conjugated synthetic peptide derived from human EME2: 21-120/379.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: EME2 forms a heterodimer with MUS81 (MIM 606591) that functions as an XPF (MIM 278760)-type flap/fork endonuclease in DNA repair (Ciccia et al., 2007 [PubMed 17289582]).[supplied by OMIM, Mar 2008] Eme2 is a 379 amino acids nuclear protein. As a member of the Eme2/Mms4 family, Eme2 associates with MUS81 to constitute a DNA structure-specific endonuclease. The MUS81-Eme2 complex cleaves branched DNA structures, especially those arising during stalled DNA replication such as replication forks and 3' DNA flaps. Expressed as two alternatively spliced isoforms, Eme2 is encoded by a gene located on human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. Defects in the gene encoding WDR59 may be associated with the rare disorder Rubinstein-Taybi syndrome or Crohn's disease, which is a gastrointestinal inflammatory condition.		