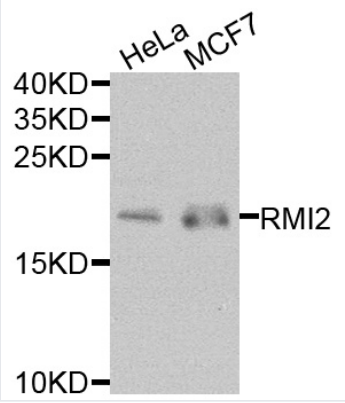
RMI2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RMI2, Polyclonal Antibody
Full Product Name	RMI2 Polyclonal Antibody
Product Gene Name	anti-RMI2 antibody
Product Synonym Names	BLAP18; C16orf75
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	16kDa
OMIM	AK123764 mRNA
Immunogen	Recombinant protein of human RMI2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RMI2 antibody	Western Blot (WB)
Application Notes for anti-RMI2 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-RMI2 antibody	MBS2541087 is an antibody targeting RMI2. Also known as RMI2 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-RMI2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-RMI2 antibody
Western blot analysis of extracts of various cells, using RMI2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RMI2. It may not necessarily be applicable to this product.

NCBI GI #	24308245
NCBI GeneID	116028
UniProt Secondary Accession #	Q49AE2; Q8TBL0; B3KVZ6
UniProt Related Accession #	Q96E14
GenBank Nucleotide #	NM_152308.2
NCBI Official Full Name	recQ-mediated genome instability protein 2
NCBI Official Synonym Full Names	RecQ mediated genome instability 2
NCBI Official Symbol	RMI2
NCBI Official Synonym Symbols	BLAP18; C16orf75
UniProt Protein Name	RecQ-mediated genome instability protein 2
UniProt Synonym Protein Names	BLM-associated protein of 18 kDa; BLAP18
Protein Family	RecQ-mediated genome instability protein
UniProt Gene Name	RMI2
UniProt Synonym Gene Names	C16orf75; hRMI2; BLAP18
UniProt Entry Name	RMI2_HUMAN
NCBI Protein Information	recQ-mediated genome instability protein 2
NCBI Summary for RMI2	RMI2 is a component of the BLM (RECQL3; MIM 604610) complex, which plays a role in homologous recombination-dependent DNA repair and is essential for genome stability (Xu et al., 2008 [PubMed 18923082]).[supplied by OMIM, Nov 2008]
UniProt Comments for RMI2	RMI2: Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates to limit DNA crossover formation in cells. The complex is therefore essential for the stability, localization, and function of complexes containing BLM. In the RMI complex, it is required to target BLM to chromatin and stress- induced nuclear foci and mitotic phosphorylation of BLM. Belongs to the RMI2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: DNA replication Chromosomal Location of Human Ortholog: 16p13.13 Cellular Component: cytoplasm; nucleoplasm; nucleus Biological Process: DNA replication; DNA synthesis during DNA repair; strand displacement
Research Articles on RMI2	**1.** The results show that Topo IIIalpha stimulates DNA unwinding by BLM in a manner that is potentiated by RMI1-RMI2, and that the processivity of resection is reliant on the Topo IIIalpha-RMI1-RMI2 complex.
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