REC8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	REC8, Polyclonal Antibody
Full Product Name	REC8 Polyclonal Antibody
Product Gene Name	anti-REC8 antibody
Product Synonym Names	HR21spB; REC8L1; Rec8p
Immunogen Sequence	EVITLQEAEP IRMLQIEGEQ DLPEISRGDL ELLIAEKDDA ILLEERQRGR LLRQRRASLP LDESREEPRA LEGAGLVSAL SPPAPAQVEG IQEALPGQVF PPEVQKMTGW EPGALLTEVT PPQELRLPAP PSTEKRLPSL QRPLPRRHRR RQLLFWDKET QISREKFEEQ LQTGAHCWEY PVAQPPKRML TSPAELFRTP TLSGWLPPEL LGLWTHCAQV PQRMLRQRPQ LETEETVEEE RAADEEERRK TEALS
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	67kDa
Immunogen	Recombinant protein of mouse REC8
Immunogen Species	Mouse
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Chromosome, Nucleus
Product Categories/Family for anti-REC8 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-REC8 antibody	Western Blot (WB)
Application Notes for anti-REC8 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-REC8 antibody	This gene encodes a member of the kleisin family of SMC (structural maintenance of chromosome) protein partners. The protein localizes to the axial elements of chromosomes during meiosis in both oocytes and spermatocytes. In the mouse, the homologous protein is a key component of the meiotic cohesion complex, which regulates sister chromatid cohesion and recombination between homologous chromosomes. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene.
Other Notes	Small volumes of anti-REC8 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.
Searchable Terms for REC8 purchase	MBS9134991 is an antibody targeting REC8. Also known as REC8 Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for REC8. It may not necessarily be applicable to this product.

NCBI GI #	173454
NCBI GeneID	56739
NCBI Accession #	AAB04034.1
UniProt Secondary Accession #	Q3UIN9; Q9JK52
UniProt Related Accession #	Q8C5S7
NCBI Official Full Name	rec8
NCBI Official Synonym Full Names	REC8 meiotic recombination protein
NCBI Official Symbol	Rec8
NCBI Official Synonym Symbols	mrec; Rec8L1
UniProt Protein Name	Meiotic recombination protein REC8 homolog
UniProt Synonym Protein Names	Cohesin Rec8p
Protein Family	Meiotic recombination protein
UniProt Gene Name	Rec8
UniProt Synonym Gene Names	Mei8; Rec8L1
NCBI Protein Information	meiotic recombination protein REC8 homolog
UniProt Comments for REC8	Required during meiosis for separation of sister chromatids and homologous chromosomes. Proteolytic cleavage of REC8 on chromosome arms by separin during anaphase I allows for homologous chromosome separation in meiosis I and cleavage of REC8 on centromeres during anaphase II allows for sister chromatid separation in meiosis II.
Research Articles on REC8	**1.** Our genetic analysis demonstrates that cohesins containing STAG3 and REC8 are the main complex required for centromeric cohesion, and RAD21L cohesins are required for normal clustering of pericentromeric heterochromatin. Furthermore, the STAG3/REC8 and STAG3/RAD21L cohesins are the primary cohesins required for axis formation.
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