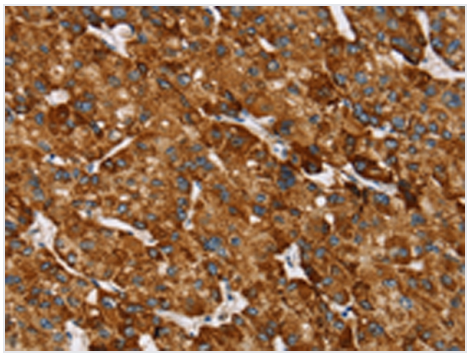
REC8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	REC8, Polyclonal Antibody
Full Product Name	REC8 Antibody
Product Gene Name	anti-REC8 antibody
Product Synonym Names	Rec8p; REC8L1; HR21spB
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	1.3 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total REC8 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	60,774 Da
OMIM	608193
3D Structure	ModBase 3D Structure for O95072
Immunogen	Fusion protein of human REC8
Immunogen Type	Protein
Product Categories/Family for anti-REC8 antibody	Total protein Ab
Applications Tested/Suitable for anti-REC8 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-REC8 antibody	Western Blot: 1:200-1:1000 Immunohistochemistry: 1:25-1:100
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.
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	MBS9415166 is an antibody targeting REC8. Also known as REC8 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-REC8 antibody
Gel: 8%SDS-PAGE Lysate: 40 ? g Lane: 293T cells Primary antibody: 1/300 dilution
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 10 seconds



Immunohistochemistry (IHC) of anti-REC8 antibody
Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using at dilution 1/25,

ADDITIONAL DETAILS

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

NCBI GI #	115430231
NCBI GeneID	9985
NCBI Accession #	NP_001041670.1
UniProt Primary Accession #	O95072
UniProt Secondary Accession #	Q658V5; Q6IA92; Q8WUV8; Q9BTF2; Q9NVQ9; A8K576; D3DS62
UniProt Related Accession #	O95072
GenBank Nucleotide #	NM_001048205.1
NCBI Official Full Name	meiotic recombination protein REC8 homolog
NCBI Official Synonym Full Names	REC8 meiotic recombination protein
NCBI Official Symbol	REC8
NCBI Official Synonym Symbols	Rec8p; REC8L1; HR21spB
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	REC8L1
UniProt Entry Name	REC8_HUMAN
NCBI Protein Information	meiotic recombination protein REC8 homolog

UniProt Comments for REC8	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. Belongs to the rad21 family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 14q11.2-q12 Cellular Component: nucleus Molecular Function: chromatin binding Biological Process: double-strand break repair; meiosis; meiotic recombination; sister chromatid cohesion; spermatogenesis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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