# antibodies - online.com







# anti-REC8 antibody (N-Term)





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Quantity:	100 μL
Target:	REC8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This REC8 antibody is un-conjugated
Application:	Western Blotting (WB)

# **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human REC8
Sequence:	QLQIGVIRVY SQQCQYLVED IQHILERLHR AQLQIRIDME TELPSLLLPN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against REC8. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

# **Target Details**

Target:	REC8
Alternative Name:	REC8 (REC8 Products)

# Target Details

REC8 is 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. 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.

Alias Symbols: HR21spB, MGC950, REC8L1, Rec8p Protein Interaction Partner: SYCP3, SMC3, SMC1A,

Protein Size: 547

Molecular Weight:	62 kDa
Gene ID:	9985
NCBI Accession:	NM_005132, NP_005123

# UniProt: 095072

## **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 547 AA
Restrictions:	For Research Use only

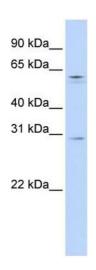
#### Handling

Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

# Handling

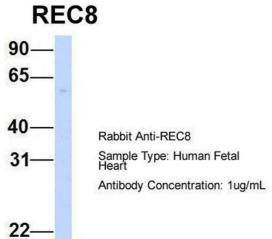
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

# **Images**



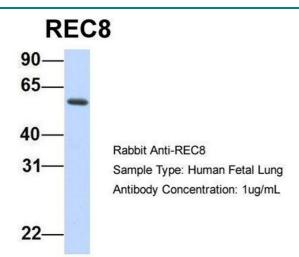
## **Western Blotting**

**Image 1.** WB Suggested Anti-REC8 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 721\_B cell lysate REC8 is supported by BioGPS gene expression data to be expressed in 721\_B



## **Western Blotting**

Image 2. Host: Rabbit Target Name: REC8 Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml



# **Western Blotting**

Image 3. Host: Rabbit Target Name: REC8 Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml