

For Research Use Only

REC8 Polyclonal antibody

Catalog Number: 10793-1-AP

14 Publications



Basic Information

Catalog Number:

10793-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1250

GenBank Accession Number:

BC010887

GeneID (NCBI):

9985

UNIPROT ID:

O95072

Full Name:

REC8 homolog (yeast)

Calculated MW:

63 kDa

Observed MW:

85-95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human, rat, mouse

Positive Controls:

WB : human testis tissue, K-562 cells

Background Information

REC8, also named as Rec8p and REC8L1, belongs to the rad21 family. This cohesin protein 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. Rec8 is present in an unphosphorylated form early in meiotic prophase but is phosphorylated prior to meiosis I. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human REC8. This antibody can recognize the monomeric, non-phosphorylated form (63-70kd) of REC8 and other forms (80-100kd) which represent either posttranslationally modified forms or alternative transcript products (PMID: 12615909, 19463812).

Notable Publications

Author	Pubmed ID	Journal	Application
Miao Liu	32958054	Biol Res	IHC
Rosa Ashley MAM	23209909	J Skin Cancer	IF
Yang Fu	35658231	Biomed Pharmacother	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

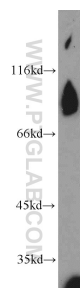
For technical support and original validation data for this product please contact:

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Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 10793-1-AP (REC8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.