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phospho-REC8 (Ser251) Rabbit pAb

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Catalog # AP94238

Product Information

Application	WB
Primary Accession	Q8C5S7
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67425
Physical State	Liquid
Immunogen	KLH conjugated synthesised phosphopeptide derived from mouse REC8 around the phosphorylation site of Ser251
Epitope Specificity	RA(p-S)LP
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	56739
Other Names	Meiotic recombination protein REC8 homolog, Cohesin Rec8p, Rec8, Mei8, Rec8L1
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

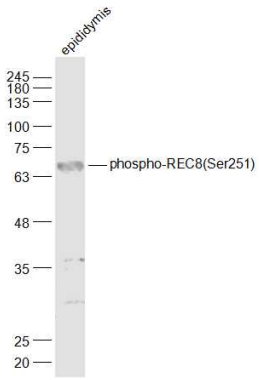
Name	Rec8

Synonyms	Mei8, Rec8L1
Function	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.
Cellular Location	Nucleus. Chromosome. Chromosome, centromere. Note=In meiotic chromosomes, localized along axial elements in prophase from the leptotene to diplotene stages. At later prophase stages, diakinesis and metaphase I, localized along interstitial axes of chromosomes including both centromere and arm regions. No longer detected in arm regions in anaphase I but persists on centromere regions until metaphase II.
Tissue Location	Expressed primarily in the gonads. In the testis, expressed in pachytene spermatocytes and in spermatids. Not expressed in spermatogonia or somatic cells. In the ovary, expressed only in oocytes. Low levels also detected in a number of somatic tissues including thymus, lung, liver, kidney and small intestine

Background

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Images



Sample:
Epididymis (Mouse) Lysate at 40 ug
Primary: Anti-phospho-REC8(Ser251) (AP94238) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 67 kD
Observed band size: 67 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.