

SMC1(Phospho-Ser360) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04783
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phosho peptide around human SMC1 (Ser360)
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	SMC1
Synonyms	SMC1 ;Ser360; Structural maintenance of chromosomes protein 1A; SMC protein 1A; SMC-1-alpha; SMC-1A; Sb1.8

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Proper cohesion of sister chromatids is a prerequisite for the correct segregation of chromosomes during cell division. The cohesin multiprotein complex is required for sister chromatid cohesion. This complex is composed partly of two structural maintenance of chromosomes (SMC) proteins| SMC3 and either SMC1B or the protein encoded by this gene. Most of the cohesin complexes dissociate from the chromosomes before mitosis| although those complexes at the kinetochore remain. Therefore| the encoded protein is thought to be an important part of functional kinetochores. In addition| this protein interacts with BRCA1 and is phosphorylated by ATM| indicating a potential role for this protein in DNA repair. This gene| which belongs to the SMC gene family| is located in an area of the X-chromosome that escapes X inactivation. Mutations in this gene result in Cornelia de Lange syndrome. Altern

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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