

## SMC1 Rabbit pAb

db2408

Package : 20µL 50µL 100µL

**Product Name** : SMC1 Rabbit pAb**Cat.No.:** db2408**Synonyms** : SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha**Application** : WB, IHC, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

**Immunogen**

A synthetic peptide of human SMC1

**Gene ID**

8243

**Swiss Prot**

Q14683

**Synonyms**

SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha

**Reactivity**

Human, Mouse, Rat

**Application**

WB, IHC, IP

**Recommended dilution**

WB: 1:2000-1:10000

IHC: 1:50-1:200

IP: 1:20-1:50

**Calculated MW**

143 kDa

**Observed MW**

145 kDa

**Host species**

Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

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