

小鼠抗 SMC1A 单克隆抗体

中文名称： 小鼠抗 SMC1A 单克隆抗体

英文名称： Anti-SMC1A mouse monoclonal antibody

别名： structural maintenance of chromosomes 1A; SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha

相关类别： 一抗

储存： 冷冻 (-20℃)

宿主： Mouse

抗原： SMC1A

反应种属： Human

标记物： Unconjugate

克隆类型： mouse monoclonal

技术规格

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.
Applications:	WB
Name of antibody:	SMC1A
Immunogen:	Fusion protein of human SMC1A
Full name:	structural maintenance of chromosomes 1A
Synonyms:	SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha
SwissProt:	Q14683
WB Predicted band size:	143 KD
WB Positive control:	Hela, Jurkat, A431, HepG2, Raji cell lysates
WB Recommended dilution:	200-1000