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SMC1 (Phospho-Ser957) Antibody

货号: AYP4371

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ELISA
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200
理论分子量	143kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,NIH/3T3
细胞定位	Chromosome,Nucleus,centromere,kinetochore
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human SMC1 (Phospho-Ser957).

靶点信息

研究背景	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.
基因ID	8243
基因名	SMC1A
Swiss	Q14683 (https://www.uniprot.org/uniprotkb/Q14683/entry)
别名	SMC1A,CDLS2,DXS423E,SB1.8,SMC1,SMC1L1,SMC1alpha,SMCB,SMC1 (Phospho-Ser957) Antibody,KIAA0178,SMC1 (Phospho-Ser957)

产品验证

实验步骤

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