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Phospho-SMC1-S957 Rabbit pAb

货号: AYP15647

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IP
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200 **IP:** 1:500 - 1:1000
理论分子量	143kDa
实测分子量	160kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,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

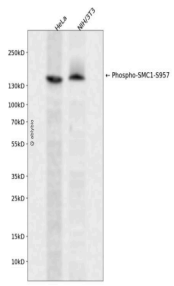
抗原信息

抗原信息	A synthetic phosphorylated peptide around S957 of human SMC1A (NP_006297.2).

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 be fore mitosis, although those complexes at the kinetochore remain. Therefore, the encoded protein is thou ght to be an important part of functional kinetochores. In addition, this protein interacts with BRCA1 and i s phosphorylated by ATM, indicating a potential role for this protein in DNA repair. This gene, which belon gs to the SMC gene family, is located in an area of the X-chromosome that escapes X inactivation. Mutati ons in this gene result in Cornelia de Lange syndrome. Alternative splicing results in multiple transcript v ariants 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,Phospho-SMC1-S957 Rabbit pAb,KIAA017 8

产品验证



Western blot analysis of Phospho-SMC1-S957 expressed in HeLa,NIH/3T3 using Phospho-SMC1-S957 Rabb it pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug p er lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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