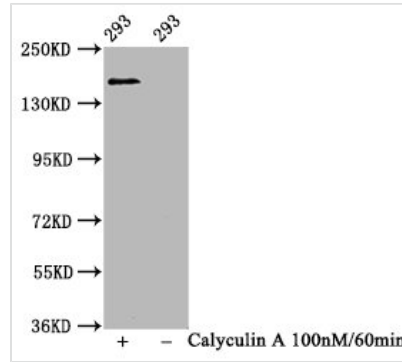




Phospho-SMC1A (S957) Recombinant Monoclonal Antibody

Product Code	CSB-RA614804A957phHU
Abbreviation	Structural maintenance of chromosomes protein 1A
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q14683
Immunogen	A synthesized peptide derived from Human Phospho-SMC1A (S957)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Involved in chromosome cohesion during cell cycle and in DNA repair. Central component of cohesin complex. The cohesin complex is required for the cohesion of sister chromatids after DNA replication. The cohesin complex apparently forms a large proteinaceous ring within which sister chromatids can be trapped. At anaphase, the complex is cleaved and dissociates from chromatin, allowing sister chromatids to segregate. The cohesin complex may also play a role in spindle pole assembly during mitosis. Involved in DNA repair via its interaction with BRCA1 and its related phosphorylation by ATM, or via its phosphorylation by ATR. Works as a downstream effector both in the ATM/NBS1 branch and in the ATR/MSH2 branch of S-phase checkpoint.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Structural maintenance of chromosomes protein 1A, SMC protein 1A, SMC-1-alpha, Sb1.8, SMC1A, DXS423E, KIAA0178, SB1.8, SMC1, SMC1L1
Immunogen Species	Homo sapiens (Human)
Research Area	Cell Biology
Target Names	SMC1A
Clone No.	1F9
Image	

**Western Blot**

Positive WB detected in 293 whole cell lysate(treated with Calyculin A or not)

All lanes Phospho-SMC1A antibody at 1.11 μ g/ml
Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 160 KDa

Observed band size: 160 KDa

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.