



<b>Swiss-Prot No.:</b>	Q14683
<b>Storage/Stability:</b>	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Immunogen:</b>	A synthesized peptide derived from human SMC1
<b>Purification:</b>	Affinity Chromatography
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Other Names:</b>	Structural maintenance of chromosomes protein 1A; SMC protein 1A; SMC-1-alpha; SMC-1A; Sb1.8; SMC1A; DXS423E; KIAA0178; SB1.8; SMC1; SMC1L1;
<b>Background:</b>	Structural maintenance of chromosomes 1 (SMC1) protein is a chromosomal protein member of the cohesin complex that enables sister chromatid cohesion and plays a role in DNA repair. ATM/NBS1-dependent phosphorylation of SMC1 occurs at Ser957 and Ser966 in response to ionizing radiation (IR) as part of the intra-S-phase DNA damage checkpoint.
<b>Cellular localization:</b>	Centromere, Chromosome, Kinetochore, Nucleus
<b>Source:</b>	Rabbit
<b>Antibody type:</b>	Polyclonal antibody
<b>Isotype:</b>	Rabbit IgG

<b>Molecular Weight:</b>	143kDa
<b>Preservative:</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Recommended Dilutions:</b>	WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200