

Product Datasheet

SMC1 Antibody

Catalog No: CY5818

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF



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Information

UniProt ID: Q14683

All Names: Structural maintenance of chromosomes protein 1A; SMC protein 1A; SMC-1-alpha; SMC-1A; Sb1.8; SMC1A; DXS423E; KIAA0178; SB1.8; SMC1; SMC1L1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 143 kDa

Application

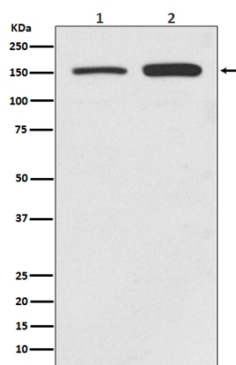
WB 1:1000~1:2000

IHC 1:50~1:200

ICC/IF 1:50~1:200

Background

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.



Western blot analysis of SMC1 expression in (1) HeLa cell lysate; (2) Jurkat cell lysate.

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