

Rabbit anti-Human SMC1 Monoclonal Antibody | anti-SMC1 antibody

SMC1 (Phospho-S957) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311015	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SMC1; Monoclonal Antibody; SMC1 (Phospho-S957) Antibody; CDLS2 antibody; DKFZp686L19178 antibody; DXhXs423e antibody; DXS423E antibody; KIAA0178 antibody; MGC138332 antibody; OTTHUMP00000061876 antibody; RP6 29D12.1 antibody; SB1.8 antibody; Segregation of mitotic chromosomes 1 antibody; Segregation of mitotic chromosomes like 1 antibody; SMC 1 antibody; SMC protein 1B antibody; SMC-1-beta antibody; SMC-1B antibody; SMC1 antibody; SMC1A antibody; SMC1alpha antibody; SMC1alpha protein antibody; SMC1B antibody; SMC1B_HUMAN antibody; SMC1BETA antibody; SMC1beta protein antibody; SMC1L1 antibody; SMC1L2 antibody; SMCB antibody; Structural maintenance of chromosome 1 like 1 protein antibody; Structural maintenance of chromosome 1 like 2 protein antibody; Structural maintenance of chromosomes 1A antibody; Structural maintenance of chromosomes 1B antibody; Structural maintenance of chromosomes protein 1B antibody; anti-SMC1 antibody

PRODUCT SPECIFICATIONS

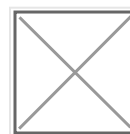
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	SC65-03
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SMC1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser957 of human SMC1.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



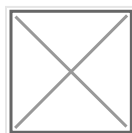
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.



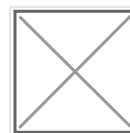
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of SMC1 (phospho S957) on HeLa cells lysates using anti-phospho-SMC1 (S957) antibody at 1/1,000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC1 antibody	The SMC (structural maintenance of chromosomes) family of proteins form heterodimeric complexes that modulate sister chromatid cohesion and chromosome condensation for mitosis. The two distinct classes of SMC protein complexes are comprised of SMC1 (also designated SB1.8) with SMC3 (also designated HCAP for human chromosome-associated protein and Bamacan for the secreted proteoglycan), and SMC2 (also designated hCAP-E) with SMC4 (also designated hCAP-C). The SMC1/SMC3 complex is required for metaphase progression in mitotic cells and functions independently of the SMC2/SMC4 complex during the cell cycle. SMC1 is ubiquitously expressed in various human tissues, including thymus, testis and colon. SMC3 is expressed as a nuclear protein in the colon, but can also occur as a secreted proteoglycan expressed in testis and brain. The secreted proteoglycan contains several glycosylation sites and is thought to play a role in basement membrane physiology.
Product Categories/Family for anti-SMC1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	30581135
NCBI GeneID	8243
NCBI Accession #	NP_006297.2
NCBI GenBank Nucleotide #	NM_006306.2
UniProt Accession #	Q14683 ; O14995 ; Q16351 ; Q2M228
Molecular Weight	143,233 Da
NCBI Official Full Name	structural maintenance of chromosomes protein 1A
NCBI Official Synonym Full Names	structural maintenance of chromosomes 1A
NCBI Official Symbol	SMC1A
NCBI Official Synonym Symbols	SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha
NCBI Protein Information	structural maintenance of chromosomes protein 1A; SMC-1A; SMC-1-alpha; SMC protein 1A; segregation of mitotic chromosomes 1; SMC1 structural maintenance of chromosomes 1-like 1; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1
UniProt Protein Name	Structural maintenance of chromosomes protein 1A
UniProt Gene Name	SMC1A
UniProt Synonym Gene Names	DXS423E; KIAA0178; SB1.8; SMC1; SMC1L1; SMC protein 1A; SMC-1-alpha; SMC-1A
UniProt Entry Name	SMC1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/smc1-antibody-clone-sc65-03-immunocytochemistry-immunohistochemistry-western-blot-elisa/311015>