

anti-Human, Mouse SMC1 Antibody | anti-SMC1 antibody

SMC1 (Phospho-Ser957) Antibody

CATALOG # AAA111228	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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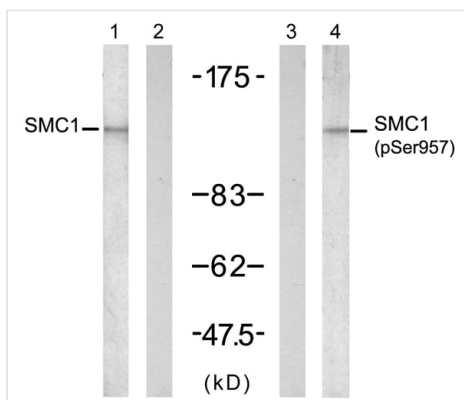
PRODUCT SYNONYMS

SMC1; SMC1 (Phospho-Ser957) Antibody; Chromosome segregation protein SmcB; DXS423E; KIAA0178; SB1.8/DXS423E protein; SM1A; SMC1A; SMC1L1; SMC1alpha protein; Sb1.8; Structural maintenance of chromosome 1-like 1 protein; anti-SMC1 antibody

PRODUCT SPECIFICATIONS

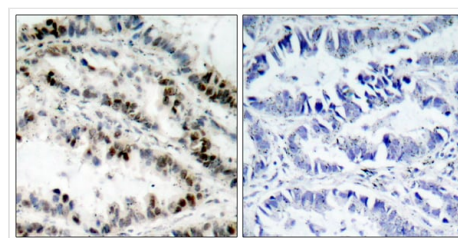
Reactivity	Human, Mouse
Specificity	SMC1 (phospho-Ser957) antibody detects endogenous levels of SMC1 only when phosphorylated at serine 957.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1233
Applicable Applications for anti-SMC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human SMC1 around the phosphorylation site of serine 957 (G-S-SP-Q-G).
All Sites	Human: Ser957 Mouse: Ser957
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extract from K562 cells, untreated or treated with UV (20min), using SMC1 (Ab-957) antibody and SMC1 (phospho-Ser957) antibody.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using SMC1 (phospho-Ser957) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SMC1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Yang XM. et al. (2004) Mol Cell Biol. 24(12): 5290-5303. Kim ST. et al. (2002) Genes Dev. 16(5): 560-570. Revenkova E.et al. (2001) Mol Cell Biol. 21(20): 6984-6998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30581135
NCBI GeneID	8243
NCBI Accession #	NP_006297.2
NCBI GenBank Nucleotide #	NM_006306.3
UniProt Accession #	Q14683; O14995; Q16351; Q2M228
Molecular Weight	143,233 Da
NCBI Official Full Name	structural maintenance of chromosomes protein 1A isoform 1
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
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

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/human-mouse-antibody/smc1/111228>