

Rabbit anti-Human SMC1A Polyclonal Antibody | anti-SMC1A antibody

SMC1A antibody

CATALOG # AAA306632	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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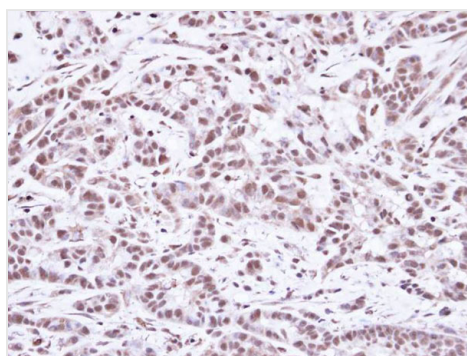
PRODUCT SYNONYMS

SMC1A; Polyclonal Antibody; SMC1A antibody; anti-SMC1A antibody

PRODUCT SPECIFICATIONS

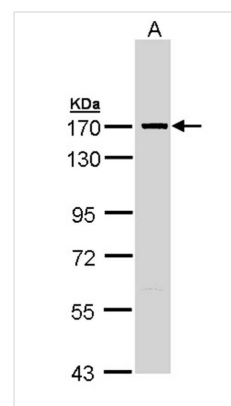
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	1233
Applicable Applications for anti-SMC1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 218 of SMC1A
Target Name	SMC1A
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded A549 Xenograft, using SMC1A antibody at 1: 100 dilution.



Application Data

Sample (30 ug of whole cell lysate)A: Molt-4 7.5% SDS PAGEPrimary antibody diluted at 1: 5000

ADDITIONAL INFORMATION

Related Product Information for anti-SMC1A antibody	Proper cohesion of sister chromatids is a prerequisite for the correct segregation of chromosomes during cell division. The cohesin multiprotein complex is required for sister chromatid cohesion. This complex is composed partly of two structural maintenance of chromosomes (SMC) proteins, SMC3 and either SMC1L2 or the protein encoded by this gene. Most of the cohesin complexes dissociate from the chromosomes before mitosis, although those complexes at the kinetochore remain. Therefore, the encoded protein is thought to be an important part of functional kinetochores. In addition, this protein interacts with BRCA1 and is phosphorylated by ATM, indicating a potential role for this protein in DNA repair. This gene, which belongs to the SMC gene family, is located in an area of the X-chromosome that escapes X inactivation. [provided by RefSeq]
Product Categories/Family for anti-SMC1A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	30581135
NCBI GeneID	8243
NCBI Accession #	NP_006297
NCBI GenBank Nucleotide #	NM_006306.3
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
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/polyclonal/smc1a-antibody-immunohistochemistry-western-blot-elisa/306632>