

Rabbit anti-Human SMC4 Polyclonal Antibody | anti-SMC4 antibody

SMC4 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59983	Rabbit	Human	Western Blot, Immunoprecipitation

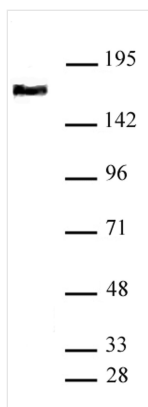
PRODUCT SYNONYMS

SMC4; Polyclonal Antibody; SMC4 antibody (pAb); CAPC; CAP-C; SMC-4; SMC4L1; hCAP-C; anti-SMC4 antibody

PRODUCT SPECIFICATIONS

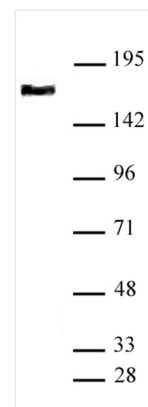
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-SMC4 antibody	WB (Western Blot), IP (Immunoprecipitation)
Immunogen	This SMC4 antibody was raised against a peptide from the N-terminus of human SMC4.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

SMC4 antibody (pAb) tested by Western blot Nuclear extract of HeLa cells (20 ?g) probed with SMC4 antibody (1:1,000).



WB (Western Blot)

SMC4 antibody (pAb) tested by Immunoprecipitation. 10 ul of SMC4 antibody was used to immunoprecipitate SMC4 from 500 ug of HeLa nuclear cell extract (lane 2). 10 ul of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the SMC4 antibody at a dilution of 1:1,000.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC4 antibody	Short Description: Our SMC4 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: The Structural Maintenance of Chromosomes (SMC) family proteins play critical roles in various nuclear events that require structural changes of chromosomes, including mitotic chromosome organization, DNA recombination and repair and global transcriptional repression. SMC4 is the central component of the condensin complex, a complex required for conversion of interphase chromatin into condensed mitotic chromosomes. SMC4 forms a heterodimer with SMC2 and contains a myosin-like ATPase domain that serves as a molecular motor to help organize chromatin. During mitosis, most of the condensin complex is associated with the chromatin.
Product Categories/Family for anti-SMC4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	50658063
NCBI GeneID	10051
NCBI Accession #	NP_001002800; AB_2793519
NCBI GenBank Nucleotide #	NM_001002800
UniProt Accession #	Q9NTJ3
Molecular Weight	147kDa
NCBI Official Full Name	structural maintenance of chromosomes protein 4 isoform 1
NCBI Official Synonym Full Names	structural maintenance of chromosomes 4
NCBI Official Symbol	SMC4
NCBI Official Synonym Symbols	CAPC; CAP-C; SMC-4; SMC4L1
NCBI Protein Information	structural maintenance of chromosomes protein 4
UniProt Protein Name	Structural maintenance of chromosomes protein 4
UniProt Gene Name	SMC4
UniProt Synonym Gene Names	CAPC; SMC4L1; SMC protein 4; SMC-4; hCAP-C
UniProt Entry Name	SMC4_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/smc4-antibody-western-blot-immunoprecipitation-elisa/59983>