

Rabbit SMC4 Polyclonal Antibody | anti-SMC4 antibody

SMC4 Antibody

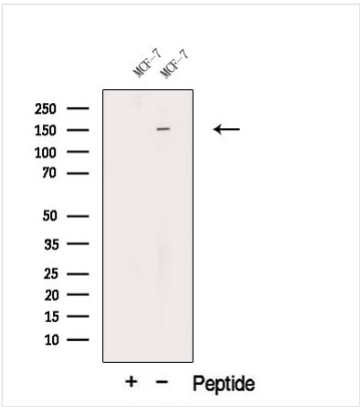
CATALOG # AAA328616	HOST Rabbit	REACTIVITY Human, Rat Predicted: Pig, Horse, Sheep, Rabbit, Dog	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

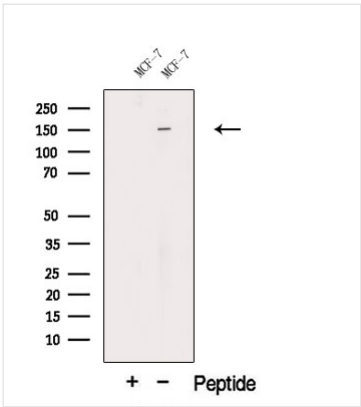
SMC4; Polyclonal Antibody; SMC4 Antibody; CAP C; CAPC; Chromosome associated polypeptide C; Chromosome-associated polypeptide C; hCAP C; hCAP-C; SMC 4; SMC protein 4; SMC-4; SMC4_HUMAN; SMC4L1; Structural maintenance of chromosomes 4; Structural maintenance of chromosomes 4 like 1; Structural maintenance of chromosomes protein 4; XCAP C homolog; XCAP-C homolog; anti-SMC4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat Predicted: Pig, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	SMC4 Antibody detects endogenous levels of SMC4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1288
Applicable Applications for anti-SMC4 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human SMC4.
Tissue Specificity	Widely expressed. Higher expression in testis, colon, thymus.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from MCF-7 cells, using SMC4 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using SMC4 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC4 antibody	Description: Central component of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.
	Subunit Structure: Forms a heterodimer with SMC2. Component of the condensin complex, which contains the SMC2 and SMC4 heterodimer, and three non SMC subunits that probably regulate the complex: BRN1/CAPH, CNAP1/CAPD2 and CAPG.
	Similarity: The hinge domain, which separates the large intramolecular coiled coil regions, allows the heterodimerization with SMC2, forming a V-shaped heterodimer. Belongs to the SMC family. SMC4 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50658065
NCBI GeneID	10051
NCBI Accession #	NP_005487.3
NCBI GenBank Nucleotide #	NP_005487.3
UniProt Accession #	Q9NTJ3
Molecular Weight	Observed: 150 kDa Predicted: 148 kDa
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://www.aaabiotech.com/polyclonal/smc4-antibody-western-blot-elisa/328616>