

Rabbit anti-Human, Mouse SMC5 Polyclonal Antibody | anti-SMC5 antibody

Rabbit anti-SMC5 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210832	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

SMC5; Polyclonal Antibody; Rabbit anti-SMC5 Antibody; Affinity Purified; hSMC5; structural maintenance of chromosomes protein 5; SMC5L1; SMC5 structural maintenance of chromosomes 5-like 1; SMC protein 5; SMC-5; Structural maintenance of chromosomes protein 5; structural maintenance of chromosomes 5; anti-SMC5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SMC5 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1051 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse SMC5 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, Jurkat, RKO, and TCMK-1 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SMC5 antibody AAA210832 (lot AAA210832-3) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human SMC5 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SMC5 antibody AAA210832 (lot AAA210832-3) used for IP at 6 ug per reaction. SMC5 was also immunoprecipitated by a previous lot of this antibody (lot AAA210832-2). For blotting immunoprecipitated SMC5, AAA210832 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC5 antibody	SMC (Structural maintenance of chromosomes) proteins are members of multisubunit complexes that play a critical role in chromosome organization, segregation, gene regulation, and DNA repair. Two of these complexes, cohesin and condensin consist of a core complex of an SMC1 and SMC3 heterodimer or an SMC2 and SMC4 heterodimer, respectively. A third complex includes a heterodimer of SMC5 and SMC6 whose function is not fully understood but is proposed to be related to DNA repair.
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Product Categories/Family for anti-SMC5 antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	155722985
NCBI GeneID	23137
NCBI Accession #	NP_055925.2
NCBI GenBank Nucleotide #	NM_015110.3
UniProt Accession #	Q8IY18; O60335; Q05D92; Q5VZ60; Q96SB9; A6NM81
Molecular Weight	128,806 Da
NCBI Official Full Name	structural maintenance of chromosomes protein 5
NCBI Official Synonym Full Names	structural maintenance of chromosomes 5
NCBI Official Symbol	SMC5
NCBI Official Synonym Symbols	SMC5L1
NCBI Protein Information	structural maintenance of chromosomes protein 5
UniProt Protein Name	Structural maintenance of chromosomes protein 5
UniProt Gene Name	SMC5
UniProt Synonym Gene Names	KIAA0594; SMC5L1; SMC protein 5; SMC-5; hSMC5
UniProt Entry Name	SMC5_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/smc5-antibody-immunoprecipitation-western-blot-elisa/210832>