

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

Rabbit anti-Phospho SMC1 (S966) IHC Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213732	Rabbit	Human, Mouse	Immunohistochemistry

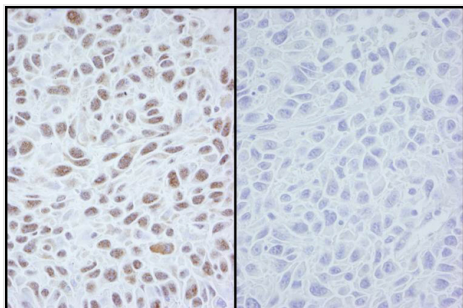
PRODUCT SYNONYMS

SMC1; Polyclonal Antibody; Rabbit anti-Phospho SMC1 (S966) IHC Antibody; Affinity Purified; Phospho (S966); SMC protein 1A; SMC-1A; structural maintenance of chromosomes protein 1A; SMCB; SMC1L1; SMC-1-alpha; SMC1alpha; segregation of mitotic chromosomes 1; SB1.8; epididymis secretory sperm binding protein; DXS423E; CDLS2; SMC1 (structural maintenance of chromosomes 1; yeast)-like 1; Structural maintenance of chromosomes protein 1A; structural maintenance of chromosomes 1A; anti-SMC1 antibody

PRODUCT SPECIFICATIONS

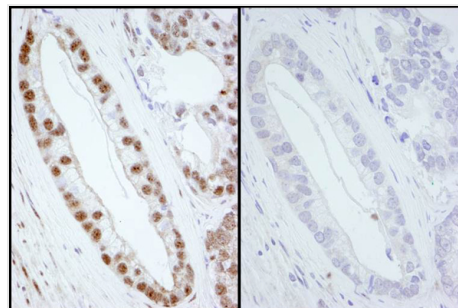
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for anti-SMC1 antibody	IHC (Immunohistochemistry)
Predicted Reactivity	Orangutan, Monkey, White-tufted-ear marmoset, Crab-eating macaque, Northern white-cheeked gibbon, Small-eared galago
Immunogen	Surrounding serine 966
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IHC (Immunohistochemistry)

Detection of mouse Phospho SMC1 (Ser 966) by immunohistochemistry. Samples: FFPE sections of mouse squamous cell carcinoma. Mock treatment (left panel) or lambda phosphatase-treatment (right panel). Antibody: Affinity purified rabbit anti-Phospho-SMC1 (Ser 966) (Cat. No. AAA213732) used at a dilution of 1:250. Detection: DAB



IHC (Immunohistochemistry)

Detection of human Phospho SMC1 (Ser 966) by immunohistochemistry. Samples: FFPE sections of human prostate carcinoma. Mock treatment (left panel) or lambda phosphatase-treatment (right panel). Antibody: Affinity purified rabbit anti-Phospho-SMC1 (Ser 966) (Cat. No. AAA213732) used at a dilution of 1:250. Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SMC1 antibody	Structural maintenance of chromosomes (SMC) proteins are part of the cohesin and condensin multisubunit complexes that play a critical role in chromosome organization, segregation, gene regulation, and DNA repair. The core cohesin complex includes a heterodimer of SMC1 and SMC3 that functions by forming a ring-like structure that holds sister chromatids together. Cohesin is important to sister chromatid separation and segregation during mitosis and meiosis and also plays a role in double-strand break repair by homologous recombination.
Product Categories/Family for anti-SMC1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	30581135
NCBI GeneID	8243
NCBI Accession #	NP_006297.2
NCBI GenBank Nucleotide #	NM_006306.2
UniProt Accession #	Q14683; O14995; Q16351; Q2M228
Molecular Weight	143,233 Da
NCBI Official Full Name	structural maintenance of chromosomes protein 1A
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; SMC-1A; SMC-1-alpha; SMC protein 1A; segregation of mitotic chromosomes 1; SMC1 structural maintenance of chromosomes 1-like 1; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1
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://www.aaabiotech.com/polyclonal/smc1-antibody-immunohistochemistry-elisa/213732>