

Rabbit anti-Human Structural Maintenance Of Chromosomes Protein 3 (SMC3) Polyclonal Antibody | anti-SMC3 antibody

Polyclonal Antibody to Structural Maintenance Of Chromosomes Protein 3 (SMC3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20309	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Structural Maintenance Of Chromosomes Protein 3 (SMC3); Polyclonal Antibody; Polyclonal Antibody to Structural Maintenance Of Chromosomes Protein 3 (SMC3); anti-SMC3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against SMC3. It has been selected for its ability to recognize SMC3 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-SEQKEKLI KRQEELDRGY KSIMELMNVL ELRKYEAIQL TFKQVSKNFS EVFQKLVPGG KATLVMKKGD VEGSQSQDEG EGSGESERGS GSQSSVPSVD QFTGVGIRVS FTGKQGEMRE MQQLSGGQKS LVALALIFA
Sequence Length	1217
Applicable Applications for anti-SMC3 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Application Notes	Western blotting: 1:100-400 Immunocytochemistry in formalin fixed cells: 1:100-500 Immunohistochemistry in formalin fixed frozen section: 1:100-500 Immunohistochemistry in paraffin section: 1:50-200 Enzyme-linked Immunosorbent Assay: 1:100-200
Immunogen	Recombinant SMC3 (Ser994~Glu1181) expressed in E.coli.
Cross Reactivity	Human
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



Knockout Validation

Knockout Validation: Lane 1: Wild-type Jurkat cell lysate; Lane 2: SMC3 knockout Jurkat cell lysate; Predicted MW: 142kd Observed MW: 142kd Primary Ab: 3ug/ml Rabbit Anti-Human SMC3 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Lane1: Human HepG2 Cells; Lane2: Human Hela Cells; Lane3: Human Jurkat Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SMC3 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885399
NCBI GeneID	9126
NCBI Accession #	NP_005436.1
NCBI GenBank Nucleotide #	NM_005445.3
UniProt Accession #	Q9UQE7; O60464; Q5T482; A8K156
Molecular Weight	141,542 Da
NCBI Official Full Name	structural maintenance of chromosomes protein 3
NCBI Official Synonym Full Names	structural maintenance of chromosomes 3
NCBI Official Symbol	SMC3
NCBI Official Synonym Symbols	BAM; BMH; HCAP; CDLS3; CSPG6; SMC3L1
NCBI Protein Information	structural maintenance of chromosomes protein 3
UniProt Protein Name	Structural maintenance of chromosomes protein 3
UniProt Gene Name	SMC3
UniProt Synonym Gene Names	BAM; BMH; CSPG6; SMC3L1; SMC protein 3; SMC-3; Bamacan; hCAP

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/structural-maintenance-of-chromosomes-protein-3-smc3-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/20309>