

Rabbit anti-Human SMC3 Polyclonal Antibody | anti-SMC3 antibody

Rabbit anti-Phospho SMC3 (S1083) Antibody, Affinity Purified

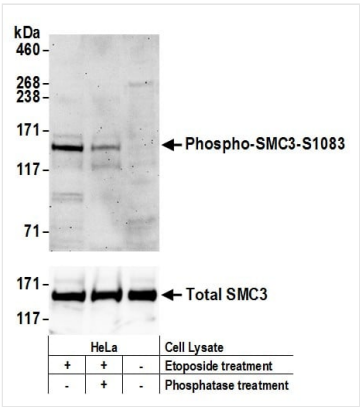
CATALOG # AAA212829	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

SMC3; Polyclonal Antibody; Rabbit anti-Phospho SMC3 (S1083) Antibody; Affinity Purified; Phospho (S1083); BAM; CSPG6; structural maintenance of chromosomes protein 3; SMC3L1; SMC-3; SMC protein 3; HCAP; chromosome-associated polypeptide; chondroitin sulfate proteoglycan 6 (bamacan); Chondroitin sulfate proteoglycan 6; CDLS3; BMH; Bamacan; basement membrane-associated chondroitin proteoglycan; Structural maintenance of chromosomes protein 3; structural maintenance of chromosomes 3; anti-SMC3 antibody

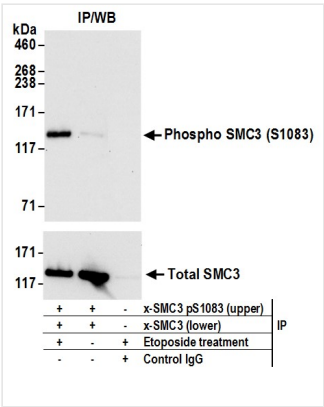
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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-SMC3 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Orangutan
Immunogen	Surrounding serine 1083
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human Phospho SMC3 (S1083) by western blot (WB). Samples: Whole cell lysate (50 ug) from HeLa cells treated with 100 uM etoposide and/or 100 uM phosphatase for 4 hours (+) or mock treated (-) cells. Antibodies: Affinity purified rabbit anti-Phospho SMC3 (S1083) antibody AAA212829-2 used for WB at 1 ug/ml (upper panel); to detect total SMC3, rabbit anti-SMC3 was used for WB at 0.1 ug/ml (lower panel). Detection: Chemiluminescence with an exposure time of 3 minutes (upper panel) or 10 seconds (lower panel).



IP (Immunoprecipitation)

Detection of human Phospho SMC3 (S1083) by western blot of immunoprecipitates. Samples: Whole cell lysate (1mg for IP; 20% of IP loaded) from HeLa cells treated with 100 uM etoposide for 4 hours (+) or mock treated (-). Antibodies: Phospho SMC3 (S1083) was immunoprecipitated using rabbit anti-Phospho SMC3 (S1083) antibody AAA212829 (lot AAA212829-2) at 6 ug per reaction. Total SMC3 was immunoprecipitated with rabbit anti-SMC3 antibody Rabbit anti-SMC3 antibody was used for WB of IPs at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC3 antibody	SMC3 (structural maintenance of chromosomes 3) is a component of the cohesin complex which is critical for precise duplication and segregation of chromosomes. SMC3 heterodimerizes with SMC1 and associates with two non-SMC subunits, Rad21/Sccl and Sccl, to form the cohesin complex.
Product Categories/Family for anti-SMC3 antibody	Primary Antibodies

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
UniProt Entry Name	SMC3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/smc3-antibody-immunoprecipitation-western-blot-elisa/212829>