

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

SMC3 Rabbit pAb

CATALOG # AAA281947	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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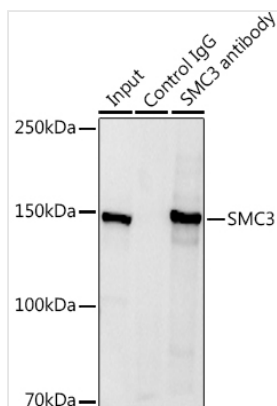
PRODUCT SYNONYMS

SMC3; Polyclonal Antibody; SMC3 Rabbit pAb; BAM; BMH; CDLS3; CSPG6; HCAP; SMC3L1; anti-SMC3 antibody

PRODUCT SPECIFICATIONS

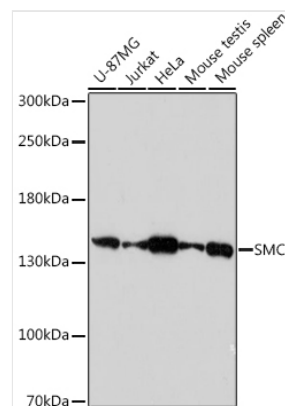
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-SMC3 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human SMC3.
Positive Samples	U-87MG, Jurkat, HeLa, Mouse testis, Mouse spleen
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 600ug extracts of Mouse spleen using 3ug SMC3 antibody . Western blot was performed from the immunoprecipitate using SMC3 antibody at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SMC3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SMC3 antibody	Background: This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein.
Product Categories/Family for anti-SMC3 antibody	Epigenetics & Nuclear Signaling; DNA Damage & Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	29337005
NCBI GeneID	9126
UniProt Accession #	Q9UQE7; O60464; Q5T482; A8K156
Molecular Weight	1217
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; SMC protein 3; chromosome-associated polypeptide; chondroitin sulfate proteoglycan 6 (bamacan); basement membrane-associated chondroitin proteoglycan
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.