

SMC3 Conjugated Antibody

Catalog No: #C49448



Package Size: #C49448-AF350 100ul #C49448-AF405 100ul #C49448-AF488 100ul
 #C49448-AF555 100ul #C49448-AF594 100ul #C49448-AF647 100ul
 #C49448-AF680 100ul #C49448-AF750 100ul #C49448-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	SMC3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	BAM antibody Bamacan antibody Basement membrane associated chondroitin proteoglycan antibody Basement membrane-associated chondroitin proteoglycan antibody BMH antibody CDLS3 antibody chondroitin sulfate proteoglycan 6 (bamacan) antibody Chondroitin sulfate proteoglycan 6 antibody Chromosome associated polypeptide antibody Chromosome-associated polypeptide antibody CSPG 6 antibody CSPG6 antibody hCAP antibody Human chromosome associated polypeptide antibody im:7142991 antibody SMC 3 antibody SMC protein 3 antibody SMC-3 antibody smc3 antibody SMC3_HUMAN antibody SMC3L1 antibody Structural maintenance of chromosome 3 antibody Structural maintenance of chromosomes 3 antibody Structural maintenance of chromosomes protein 3 antibody u:fb22e01 antibody wu:fc30d07 antibody
Accession No.	Swiss-Prot#:Q9UQE7
Uniprot	Q9UQE7
GeneID	9126;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	141 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The SMC (structural maintenance of chromosomes) family of proteins form heterodimeric complexes that modulate sister chromatid cohesion and chromosome condensation for mitosis. The two distinct classes of SMC protein complexes are comprised of SMC1 (also designated SB1.8) with SMC3 (also designated HCAP for human chromosome-associated protein and Bamacan for the secreted proteoglycan), and SMC2 (also designated hCAP-E) with SMC4 (also designated hCAP-C). The SMC1/SMC3 complex is required for metaphase progression in mitotic cells and functions independently of the SMC2/SMC4 complex during the cell cycle. SMC1 is ubiquitously expressed in various human tissues, including thymus, testis, and colon. SMC3 is expressed as a nuclear protein in the colon, but can also occur as a secreted proteoglycan expressed in testis and brain. The secreted proteoglycan contains several glycosylation sites and is thought to play a role in basement membrane physiology.

Note: This product is for in vitro research use only