Phospho-SMC1(S957) Rabbit mAb

Catalog No: #13387

Package Size: #13387-1 50ul #13387-2 100ul

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

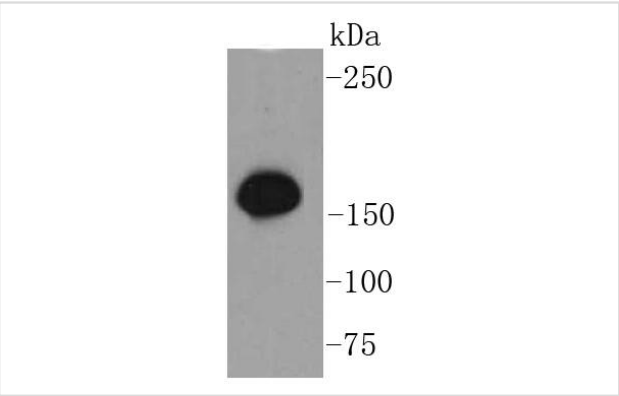
Description

Product Name	Phospho-SMC1(S957) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SC65-03
Purification	ProA affinity purified
Applications	WB, IHC, ICC
Species Reactivity	Hu
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser957 of human SMC1.
Other Names	CDLS2 antibody DKFZp686L19178 antibody DXhXs423e antibody DXS423E antibody KIAA0178 antibody MGC138332 antibody OTTHUMP00000061876 antibody RP6 29D12.1 antibody SB1.8 antibody Segregation of mitotic chromosomes 1 antibody Segregation of mitotic chromosomes like 1 antibody SMC 1 antibody SMC protein 1B antibody SMC-1-beta antibody SMC-1B antibody SMC1 antibody SMC1A antibody SMC1alpha antibody SMC1alpha protein antibody SMC1B antibody SMC1B_HUMAN antibody SMC1BETA antibody SMC1beta protein antibody SMC1L1 antibody SMC1L2 antibody SMCB antibody Structural maintenance of chromosome 1 like 1 protein antibody Structural maintenance of chromosome 1 like 2 protein antibody Structural maintenance of chromosomes 1A antibody Structural maintenance of chromosomes 1B antibody Structural maintenance of chromosomes protein 1B antibody
Accession No.	Swiss-Prot#:Q14683
Uniprot	Q14683
GeneID	8243;
Calculated MW	160 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

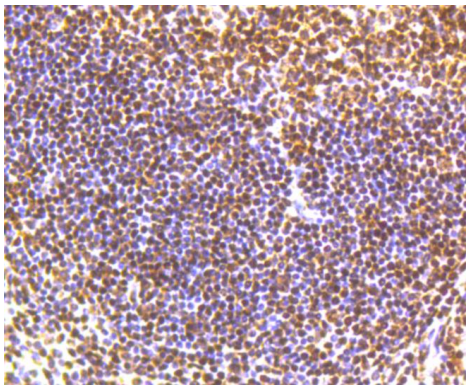
Application Details

WB: 1:1,000-5,000IHC:1:50-1:200 ICC: 1:50-1:200

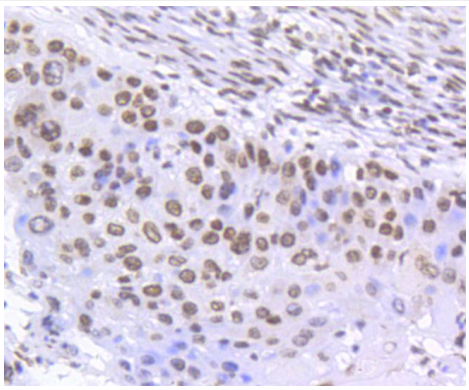
Images



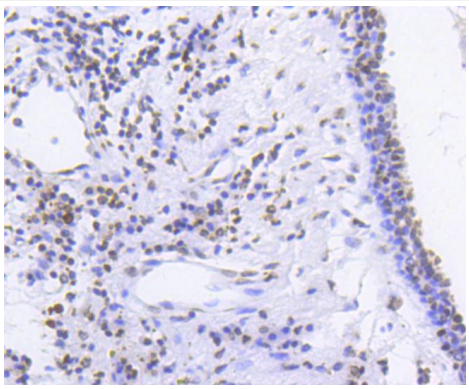
Western blot analysis of SMC1(phospho S957) on Hela cells lysates using anti- phospho -SMC1(S957) antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- phospho -SMC1(S957) antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti- phospho -SMC1(S957) antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti- phospho -SMC1(S957) antibody. Counter stained with hematoxylin.

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 ubiqitiously 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.

References

Note: This product is for in vitro research use only