Bioworld Technology CO., Ltd.

p-SMC 1 (S957) Peptide

Cat No.: BS4174P

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), 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 as a 150 kDa protein in various human tissues, including thymus, testis, and colon. SMC3 is expressed as a 146 kDa nuclear protein in the colon, but can also occur as a secreted proteoglycan (called Bamacan) expressed in testis and brain. Bamacan contains several glycosylation sites and is thought to play a role in basement membrane physiology.

Swiss-Prot

Q14683

Applications

Blocking

Specificity

This peptide can be used with studies using BS4174 p-SMC 1 (S957) pAb.

Purification & Purity

Synthetic peptide p-SMC 1 (S957). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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