

Anti-Phospho-SMC1A (Ser957) Antibody (1H28)

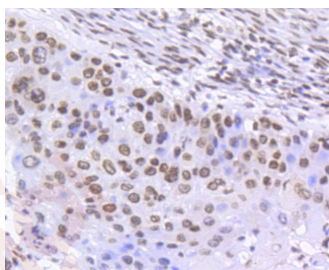
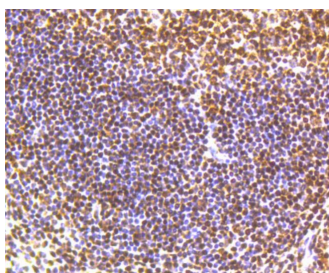
Product Details

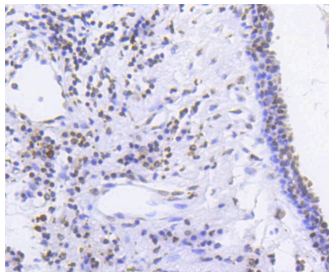
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 160 kDa.
Clone:	1H28
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of SMC1 (phospho S957) on Hela cells lysates using anti-phospho-SMC1 (S957) antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-phospho-SMC1 (S957) antibody. Counter stained with hematoxylin.





Application: ICC,IHC,WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized phosphopeptide: human SMC1 around the phosphorylation site of Ser957

Antigen Species: Human

Uniprot ID: Q14683

Synonyms: p-SMC1A (Ser957);SMC1A (p-Ser957);p-SMC1A (S957);SMC1A (p-S957)

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
