



Anti-SMC1B (aa 154-403) polyclonal antibody (CPBT-45543RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human SMC1B.
Antigen Description	SMC1L2 belongs to a family of proteins required for chromatid cohesion and DNA recombination during meiosis and mitosis (3:Revenkova et al., 2001)
Immunogen	Recombinant fragment, corresponding to a region within amino acids 154-403 of Human SMC1L2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Sequence Similarities	Belongs to the SMC family. SMC1 subfamily.
Cellular Localization	Nucleus. Chromosome. Chromosome # centromere. Associates with chromatin. In prophase I stage of meiosis, localizes along the AE of synaptonemal complexes. In late-pachytene-diplotene, the bulk of protein dissociates from the chromosome arms probably becau
Format	Liquid
Size	50 µl
Buffer	Preservative: 0.01% Thimerosal (merthiolate)Constituents: 10% Glycerol, 0.1M Tris, 0.1M

Glycine, pH 7.0

Preservative

None

Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name

[SMC1B structural maintenance of chromosomes 1B \[Homo sapiens \]](#)

Official Symbol

SMC1B

Synonyms

SMC1B; structural maintenance of chromosomes 1B; SMC1 (structural maintenance of chromosomes 1, yeast) like 1 ,SMC1 structural maintenance of chromosomes 1 like 2 (yeast) , SMC1L2; structural maintenance of chromosomes protein 1B; bK268H5; bK268H5; SMC protein 1B; SMC-1-beta; SMC-1B; SMC1 beta; SMC1B; SMC1B_HUMAN; SMC1beta; SMC1beta protein; Smc1l2; Structural maintenance of chromosomes 1-like 2; Structural maintenance of chromosomes 1B; Structural maintenance of chromosomes protein 1B; SMC-1B; SMC-1-beta; SMC protein 1B; SMC1 structural maintenance of chromosomes 1-like 2; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1; mitosis-specific chromosome segregation protein like protein beta; SMC1L2; SMC1BETA; bK268H5.5;

Entrez Gene ID

[27127](#)

Protein Refseq

[NP_683515](#)

UniProt ID

[Q8NDV3](#)

Chromosome Location

22q13

Pathway

Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Meiosis, organism-specific biosystem; Meiotic Synapsis, organism-specific biosystem; Oocyte meiosis, organism-specific biosystem; Oocyte meiosis, conserved biosystem;

Function

ATP binding; nucleotide binding;