



Anti-SMC1B monoclonal antibody, clone 7B21 (CABT-22139MH)

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

PRODUCT INFORMATION

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) Mouse monoclonal antibody raised against a partial recombinant SMC1L2.
Immunogen	SMC1L2 (NP_683515, 551 a.a. ~ 661 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	7B21
Conjugate	Unconjugated
Applications	WB, IFA, ELISA
Sequence Similarities	KVAKDCIRFLKEERAEPETFLALDYLDIKPINERLRELKGCKMVIDVIKTQFPQLKKVIQ FVCGNGLVCETMEEARHIALSGPERQKTVALDGTFLKSGVISGGSSDLK*
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SMC1B structural maintenance of chromosomes 1B [Homo sapiens]
Official Symbol	SMC1B
Synonyms	structural maintenance of chromosomes 1B; bK268H5; FLJ43748; bK268H5.5; mitosis-specific chromosome segregation protein like protein beta; structural maintenance of chromosomes protein 1B; SMC1L2; SMC1BETA; SMC-1B; SMC-1-beta; SMC protein 1B; OTTHUMP00000199851; OTTHUMP00000199852; SMC1 structural maintenance of chromosomes 1-like 2; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1
Entrez Gene ID	27127
Protein Refseq	NP_683515
UniProt ID	Q8NDV3
Chromosome Location	22q13.31
Pathway	Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Oocyte meiosis, organism-specific biosystem; Oocyte meiosis, conserved biosystem.
Function	ATP binding; nucleotide binding