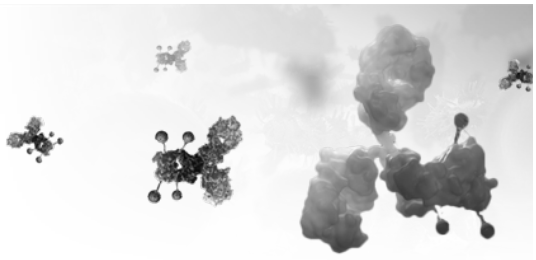

Human CENPB peptide (DAG-P1478)

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

PRODUCT INFORMATION

Antigen Description	This gene product is a highly conserved protein that facilitates centromere formation. It is a DNA-binding protein that is derived from transposases of the pogo DNA transposon family. It contains a helix-loop-helix DNA binding motif at the N-terminus, and a dimerization domain at the C-terminus. The DNA binding domain recognizes and binds a 17-bp sequence (CENP-B box) in the centromeric alpha satellite DNA. This protein is proposed to play an important role in the assembly of specific centromere structures in interphase nuclei and on mitotic chromosomes. It is also considered a major centromere autoantigen recognized by sera from patients with anti-centromere antibodies. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Contains 1 HTH CENPB-type DNA-binding domain.Contains 1 HTH psq-type DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CENPB centromere protein B, 80kDa [Homo sapiens (human)]
Official Symbol	CENPB
Synonyms	CENPB; centromere protein B, 80kDa; major centromere autoantigen B; CENP-B; centromere autoantigen B;
Entrez Gene ID	1059

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mRNA Refseq	NM_001810.5
Protein Refseq	NP_001801.1
UniProt ID	P07199
Chromosome Location	20p13
Pathway	FOXM1 transcription factor network, organism-specific biosystem;
Function	centromeric DNA binding; chromatin binding; satellite DNA binding; sequence-specific DNA binding;

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