



Human MSH4 blocking peptide (CDBP1910)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MSH4 (internal) antibody
Antigen Description	This gene encodes a member of the DNA mismatch repair mutS family. This member is a meiosis-specific protein that is not involved in DNA mismatch correction, but is required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis I. This protein and MSH5 form a heterodimer which binds uniquely to a Holliday Junction and its developmental progenitor, thus provoking ADP-ATP exchange, and stabilizing the interaction between parental chromosomes during meiosis double-stranded break repair. [provided by RefSeq, Aug 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	MSH4 mutS homolog 4 (E. coli) [Homo sapiens]
Official Symbol	MSH4
Synonyms	MSH4; mutS homolog 4 (E. coli); mutS (E. coli) homolog 4; mutS protein homolog 4; hMSH4;

Entrez Gene ID	4438
mRNA Refseq	NM_002440
Protein Refseq	NP_002431
UniProt ID	O15457
Chromosome Location	1p31
Pathway	Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem;
Function	ATP binding; DNA binding; DNA-dependent ATPase activity; NOT damaged DNA binding; mismatched DNA binding; nucleotide binding;