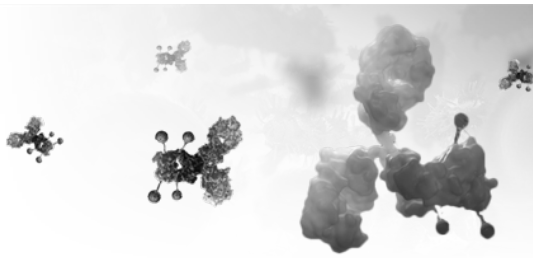

Anti-MSH6 (aa 931-1030) polyclonal antibody (DPAB-DC1497)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein heterodimerizes with MSH2 to form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene may be associated with hereditary nonpolyposis colon cancer, colorectal cancer, and endometrial cancer. Transcripts variants encoding different isoforms have been described.
Immunogen	MSH6 (NP_000170, 931 a.a. ~ 1030 a.a) partial recombinant protein with GST tag. The sequence is AGFDSDYDQALADIRENEQSLLEYLEKQRNRIGCRTIVYWGIGRNRYQLEIPENFTTRNL PEEYELKSTKKGCKRYWTKTIEKKLANLINAEERRDVSLK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	MSH6 mutS homolog 6 [Homo sapiens (human)]
Official Symbol	MSH6
Synonyms	MSH6; mutS homolog 6; GTBP; HSAP; p160; GTMBP; HNPCC5; DNA mismatch repair protein Msh6; sperm-associated protein; mutS-alpha 160 kDa subunit; G/T mismatch-binding protein;
Entrez Gene ID	2956
Protein Refseq	NP_000170
UniProt ID	P52701
Chromosome Location	2p16
Pathway	BRCA1-associated genome surveillance complex (BASC); Integrated Breast Cancer Pathway; Mismatch repair; Prostate Cancer
Function	contributes_to ADP binding; contributes_to ATP binding; contributes_to ATPase activity; DNA-dependent ATPase activity

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