



Anti-MSH2 (aa 835-934) polyclonal antibody (DPAB-DC1953)

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

PRODUCT INFORMATION

Antigen Description	This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	MSH2 (AAH21566, 835 a.a. ~ 934 a.a) partial recombinant protein with GST tag. The sequence is NFPKHVIECAKQKALELEEFQYIGESQGYDIMEPAAKKCYLEREQGEKIIQEFLSKVKQM PFTSEMSEENITIKLKQLKAEVIAKNNSFVNEIISRIKVT
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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.

GENE INFORMATION

Gene Name	MSH2 mutS homolog 2 [Homo sapiens (human)]
Official Symbol	MSH2
Synonyms	MSH2; mutS homolog 2; FCC1; COCA1; HNPCC; LCFS2; HNPCC1; DNA mismatch repair protein Msh2; hMSH2; mutS homolog 2, colon cancer, nonpolyposis type 1;
Entrez Gene ID	4436
Protein Refseq	NP_000242
UniProt ID	P43246
Chromosome Location	2p21
Pathway	BRCA1-associated genome surveillance complex (BASC); Colorectal cancer; Direct p53 effectors; Integrated Cancer pathway
Function	contributes_to ADP binding; contributes_to ATP binding; contributes_to ATPase activity; DNA binding