



## 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

<b>Antigen Description</b>	This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the <i>E. coli</i> mismatch repair gene <i>mutS</i> , 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.
<b>Immunogen</b>	MSH2 (AAH21566, 835 a.a. ~ 934 a.a) partial recombinant protein with GST tag. The sequence is  NFPKHKVIECAKQKALELEEFQYIGESQGYDIMEPAAKCYLEREQGEKIIQEFLSKVKQM PFTEMSEENITIKLQLKAEVIAKNNSFVNEIISRIKVTT
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Cell lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

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

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