DNAxPAb | Hard-to-Find Antibody

MSH2 DNAxPab

Catalog # H00004436-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MSH2 DNA using DNAx™ Immune tec hnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAVQPKETLQLESAAEVGFVRFFQGMPEKPTTTVRLFDRGDFYTAHGEDALLAAREVFKTQGVI KYMGPAGAKNLQSVVLSKMNFESFVKDLLLVRQYRVEVYKNRAGNKASKENDWYLAYKASPGN LSQFEDILFGNNDMSASIGVVGVKMSAVDGQRQVGVGYVDSIQRKLGLCEFPDNDQFSNLEALLI QIGPKECVLPGGETAGDMGKLRQIIQRGGILITERKKADFSTKDIYQDLNRLLKGKKGEQMNSAVLP EMENQVAVSSLSAVIKFLELLSDDSNFGQFELTTFDFSQYMKLDIAAVRALNLFQGSVEDTTGSQ SLAALLNKCKTPQGQRLVNQWIKQPLMDKNRIEERLNLVEAFVEDAELRQTLQEDLLRRFPDLNR LAKKFQRQAANLQDCYRLYQGINQLPNVIQALEKHEGKHQKLLLAVFVTPLTDLRSDFSKFQEMIE TTLDMDQVENHEFLVKPSFDPNLSELREIMNDLEKKMQSTLISAARDLGLDPGKQIKLDSSAQFG YYFRVTCKEEKVLRNNKNFSTVDIQKNGVKFTNSKLTSLNEEYTKNKTEYEEAQDAIVKEIVNISSGY VEPMQTLNDVLAQLDAVVSFAHVSNGAPVPYVRPAILEKGQGRIILKASRHACVEVQDEIAFIPND VYFEKDKQMFHIITGPNMGGKSTYIRQTGVIVLMAQIGCFVPCESAEVSIVDCILARVGAGDSQLKG VSTFMAEMLETASILRSATKDSLIIIDELGRGTSTYDGFGLAWAISEYIATKIGAFCMFATHFHELTAL ANQIPTVNNLHVTALTTEETLTMLYQVKKGVCDQSFGIHVAELANFPKHVIECAKQKALELEEFQYI GESQGYDIMEPAAKKCYLEREQGEKIIQEFLSKVKQMPFTEMSEENITIKLKQLKAEVIAKNNSFVN EIISRIKVTT
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — MSH2

Entrez GeneID	4436
GeneBank Accession#	NM_000251.1
Protein Accession#	NP_000242.1
Gene Name	MSH2
Gene Alias	COCA1, FCC1, HNPCC, HNPCC1, LCFS2
Gene Description	mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
Omim ID	114030 114400 120435 137800 158320 162200 609309
Gene Ontology	Hyperlink
Gene Summary	MSH2 was identified as a locus 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. [provided by RefSeq
Other Designations	mutS homolog 2

Pathway

- Colorectal cancer
- Mismatch repair
- Pathways in cancer

Disease

- Adenocarcinoma
- Adenoma
- Adenomatous Polyposis Coli
- Anticipation
- Ataxia telangiectasia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cell Transformation
- Chromosomal Instability
- Chromosome Deletion
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Cystadenocarcinoma
- Depressive Disorder
- Digestive System Neoplasms
- Disease Susceptibility
- DNA Damage
- Duodenal Neoplasms
- Endometrial Neoplasms

- Esophageal Neoplasms
- Gallbladder Neoplasms
- Gallstones
- Gastritis
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genital Neoplasms
- Genomic Instability
- Glioma
- Head and Neck Neoplasms
- Helicobacter Infections
- Hemochromatosis
- Ileal Neoplasms
- Jejunal Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Lynch Syndrome II
- Malignant melanoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mental Disorders

- Microsatellite Instability
- Myelodysplastic Syndromes
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Neuroma
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pattern Recognition
- Prostate cancer
- Prostatic Neoplasms
- Psychometrics
- Pulmonary Disease
- Rare Diseases
- Rectal Neoplasms
- Recurrence
- Retinal Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Stress
- Stress Disorders
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Urologic Neoplasms

- Werner syndrome