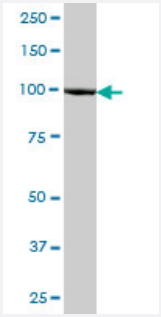
MaxPab®

MSH2 MaxPab mouse polyclonal antibody (B01)

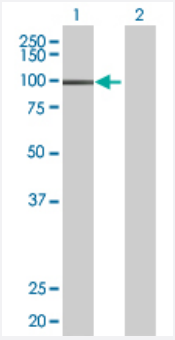
Catalog # H00004436-B01 Size 50 uL

Applications



Western Blot (Tissue lysate)

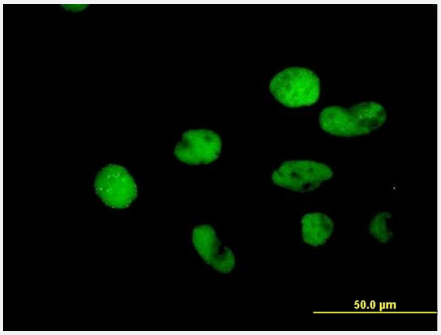
MSH2 MaxPab polyclonal antibody. Western Blot analysis of MSH2 expression in human placenta.



Western Blot (Transfected lysate)

Western Blot analysis of MSH2 expression in transfected 293T cell line (H00004436-T01) by MSH2 MaxPab polyclonal antibody.

Lane 1: MSH2 transfected lysate(102.74 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MSH2 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MSH2 protein.

Immunogen	MSH2 (NP_000242, 1 a.a. ~ 934 a.a) full-length human protein.
Sequence	MAVQPKETLQLESAAEVGFVRFFQGMPEKPTTTVRLFDRGDFYTAHGEDALLAAREVFKTQGVI KYMGPAGAKNLQSVVLSKMNFESFVKDLLLVRQYRVEVYKNRAGNKASKENDWYLAYKASPGN LSQFEDILFGNNDMSASIGVVGVKMSAVDGQRQVGVGYVDSIQRKLGLCEFPDNDQFSNLEALLI QIGPKECVLPGGETAGDMGKLRQIIQRGGILITERKKADFSTKDIYQDLNRLLKGKKGEQMNSAVLP EMENQVAVSSLSAVIKFLELLSDDSNFGQFELTTFDFSQYMKLDIAAVRALNLFQGSVEDTTGSQ SLAALLNKCKTPQGQRLVNQWIKQPLMDKNRIEERLNLVEAFVEDAELRQTLQEDLLRRFPDLNR LAKKFQRQAANLQDCYRLYQGINQLPNVIQALEKHEGKHQKLLLAVFVTPLTDLRSDFSKFQEMIE TTLDMDQVENHEFLVKPSFDPNLSELREIMNDLEKKMQSTLISAARDLGLDPGKQIKLDSSAQFG YYFRVTCKEEKVLRNNKNFSTVDIQKNGVKFTNSKLTSLNEEYTKNKTEYEEAQDAIVKEIVNISSGY VEPMQTLNDVLAQLDAVVSFAHVSNGAPVPYVRPAILEKGQGRIILKASRHACVEVQDEIAFIPND VYFEKDKQMFHIITGPNMGGKSTYIRQTGVIVLMAQIGCFVPCESAEVSIVDCILARVGAGDSQLKG VSTFMAEMLETASILRSATKDSLIIIDELGRGTSTYDGFGLAWAISEYIATKIGAFCMFATHFHELTAL ANQIPTVNNLHVTALTTEETLTMLYQVKKGVCDQSFGIHVAELANFPKHVIECAKQKALELEEFQYI GESQGYDIMEPAAKKCYLEREQGEKIIQEFLSKVKQMPFTEMSEENITIKLKQLKAEVIAKNNSFVN EIISRIKVTT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (92)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Tissue lysate)

  MSH2 MaxPab polyclonal antibody. Western Blot analysis of MSH2 expression in human placenta.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of MSH2 expression in transfected 293T cell line (H00004436-T01) by MSH2 MaxPab polyclonal antibody.

  Lane 1: MSH2 transfected lysate(102.74 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to MSH2 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — MSH2

Entrez GeneID	4436
GeneBank Accession#	NM_000251
Protein Accession#	NP_000242
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