DNAxPAb | Hard-to-Find Antibody

MLH1 DNAxPab

Catalog # H00004292-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MLH1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSFVAGVIRRLDETVVNRIAAGEVIQRPANAIKEMIENCLDAKSTSIQVIVKEGGLKLIQIQDNGTGIR KEDLDIVCERFTTSKLQSFEDLASISTYGFRGEALASISHVAHVTITTKTADGKCAYRASYSDGKLK APPKPCAGNQGTQITVEDLFYNIATRRKALKNPSEEYGKILEVVGRYSVHNAGISFSVKKQGETVA DVRTLPNASTVDNIRSIFGNAVSRELIEIGCEDKTLAFKMNGYISNANYSVKKCIFLLFINHRLVESTS LRKAIETVYAAYLPKNTHPFLYLSLEISPQNVDVNVHPTKHEVHFLHEESILERVQQHIESKLLGSNS SRMYFTQTLLPGLAGPSGEMVKSTTSLTSSSTSGSSDKVYAHQMVRTDSREQKLDAFLQPLSKP LSSQPQAIVTEDKTDISSGRARQQDEEMLELPAPAEVAAKNQSLEGDTTKGTSEMSEKRGPTSS NPRKRHREDSDVEMVEDDSRKEMTAACTPRRRIINLTSVLSLQEEINEQGHEVLREMLHNHSFVG CVNPQWALAQHQTKLYLLNTTKLSEELFYQILIYDFANFGVLRLSEPAPLFDLAMLALDSPESGWT EEDGPKEGLAEYIVEFLKKKAEMLADYFSLEIDEEGNLIGLPLLIDNYVPPLEGLPIFILRLATEVNWD EEKECFESLSKECAMFYSIRKQYISEESTLSGQQSEVPGSIPNSWKWTVEHIVYKALRSHILPPKH FTEDGNILQLANLPDLYKVFERC
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 — MLH1

Entrez GeneID	4292
GeneBank Accession#	NM_000249.2
Protein Accession#	NP_000240.1
Gene Name	MLH1
Gene Alias	COCA2, FCC2, HNPCC, HNPCC2, MGC5172, hMLH1
Gene Description	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
Omim ID	114030 120436 158320 276300 609310
Gene Ontology	Hyperlink
Gene Summary	This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Alternatively spliced transcript variants encoding different isoforms have been described, but their full-length natures have not been determined. [provided by RefSeq
Other Designations	DNA mismatch repair protein Mlh1|MutL protein homolog 1

Pathway

- Colorectal cancer
- Endometrial cancer
- Mismatch repair
- Pathways in cancer

Disease

- Adenocarcinoma
- Adenoma
- Anticipation
- Ataxia telangiectasia
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Chromosomal Instability
- Chromosome Deletion
- Chronic Disease
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Cystadenocarcinoma
- Depressive Disorder
- Digestive System Neoplasms
- Disease Susceptibility
- DNA Damage
- Duodenal Neoplasms
- Endometrial Neoplasms
- Esophageal Neoplasms

- Gastritis
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Genital Neoplasms
- Genomic Instability
- Helicobacter Infections
- Hemochromatosis
- Hepatitis B
- Hodgkin Disease
- 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
- Neoplasm Invasiveness
- Neoplasm Recurrence

- Neoplasms
- Obesity
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pattern Recognition
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Psychometrics
- Pulmonary Disease
- Rare Diseases
- Rectal Neoplasms
- Recurrence
- Retinal Diseases
- Skin Neoplasms
- Stomach Neoplasms
- Stress
- Stress Disorders
- Thyroid Neoplasms
- Urinary Bladder Neoplasms
- Urologic Neoplasms
- Werner syndrome