

DNAxPAb

Hard-to-Find
Antibody

MSH6 DNAxPab

Catalog # H00002956-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human MSH6 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MSRQSTLYSFFPKSPALSDANKASARASREGGRAAAAPGASPSPGGDAAWSEAGPGPRPLAR
SASPPKAKNLNGGLRRSVAPAAPTSCDFSPGDLVWAKMEGYWWPCLVYNHPFDGTFIREKGK
SVRVHVQFFDDSPTRGWVSKRLLKPYTGSKSKEAQKGGHFYSAPKPEILRAMQRADEALNKDKIK
RLELAVCDEPSEPEEEEEEMEVGTTYVTDKSEEDNEIESEEEVQPKTQGSRRSSRQIKRRRVISDS
ESDIGGSDVEFKPDTKEEGSSDEISSGVGDSESEGLNSPVKVARKRKMVTGNGSLKRKSSRK
ETPSATKQATSISETKNTLRAFSAQNSESQAHVSGGGDDSSRPTVWYHETLEWLKEEKRRDE
HRRRPDHPDFDASTLYVPEDFLNSCTPGMRKWWQIKSQNFDLVICYKVGFYELYHMDALIGVSE
LGLVFMKGNWAHSGFPEIAFGRYSDSLVQKGYKVARVEQTETPEMMEARCRKMAHISKYDRVVR
REICRIITKGTQTYSVLEGDPSENYSKYLLSLKEKEEDSSGHTRAYGVCFVDTSLGKFFIGQFSDDR
HCSRFRTLVAHYPPVQVLFKGNLSKETKTILKSSLSCSLQEGIPGSQFWDASKTLRTLLEEEYF
REKLSDGIGVMLPQVLKGMTSESDSIGLTPGEKSELALSALGGCVFYLLKCLIDQELLSMANFEEY
IPLDSDTVSTTRSGAIFTKAYQRMVLDVATLNNLEIFLNGTNGSTEGTLLERVDTCHTPFGKRLLKQ
WLCAPLCNHYAINDRLDAIEDLMVVPDKISEVVELLKKLPDLERLLSKIHNVGSPKLSQNHPSRAI
MYEETYSKKKIIDFLSALEGFKVMCKIIGIMEEVADGFKSKILKQVISLQTKNPEGRFPDLTVELNR
WDTAFDHEKARKTGLITPKAGFDSDYDQALADIRENEQSLLYLEKQRNRIGCRTIVYWGIGNRY
QLEIPENFTTRNLPEEYELKSTKKGCKRYWTKTIEKKLANLINEERRDVSCLKDCMRRLFYNFDKNY
KDWQSAVECIAVLVDVLLCLANYSRGGDGPMCRPVILLPEDTPPFLELKGSRHPCITKTFFGDDFIP
NDILIGCEEEEQENGKAYCVLVTGPNMGGKSTLMRQAGLLAVMAQMGCVPAEVCRLTPIDRVFT
RLGASDRIMSGESTFFVELSETASILMHATAHSLVLVDELGRGTATFDGTAIANAVVKELAETIKCR
TLFSTHYHSLVEDYSQNVAVRLGHMACMVENECEDPSQETITFLYKFIKGACPKSYGFNAARLANL
PEEVIQKGHRKAREFEKMNQSLRLFREVCCLASERSTVDAEAVHKLLTIKEL

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 — MSH6

Entrez GeneID [2956](#)

GeneBank Accession# [DQ892898.2](#)

Protein Accession# [ABM83824.1](#)

Gene Name MSH6

Gene Alias GTBP, HNPCC5, HSAP

Gene Description mutS homolog 6 (E. coli)

Omim ID [600678](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein similar to the MutS protein. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides, prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein of this gene combines with MSH2 to form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene have been identified in individuals with hereditary nonpolyposis colon cancer (HNPCC) and endometrial cancer. [provided by RefSeq]

Other Designations G/T mismatch-binding protein|mutS homolog 6|sperm-associated protein

Pathway

- [Colorectal cancer](#)

- [Mismatch repair](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Anticipation](#)
- [Ataxia telangiectasia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosomal Instability](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Disease Progression](#)
- [Duodenal Neoplasms](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ileal Neoplasms](#)
- [Jejunal Neoplasms](#)
- [Kidney Failure](#)

- [Lung Neoplasms](#)
- [Lynch Syndrome II](#)
- [Malignant melanoma](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)