

MaxPab®

MLH3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00027030-B01P

Size 500 ug

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human MLH3 protein.

Immunogen

MLH3 (ADR83390.1, 1 a.a. ~ 1429 a.a) full-length human protein.

Sequence

MIKCLSVQAKLRSGLAISLGGQVEELALNSIDAEAKCVAVRVNMFQVQVIDNGFGMGSD
VEKVGNYFTSKCHSVQDLENPRFYGFRGEALANIADMASAVEISSKKNRTMTKTFVKLFQSGKAL
KACEADVTRASAGTTVTYVNLFYQLPVRRCMDPRLEFEKVRQRIEALSLMHPSISFSLRNDVSG
SMVLQLPKTKDVC SRFCQIYGLGKSQKLREISFKYKEFELSGYISSEAHYNKNMQFLFVNKRLVLR
TKLHKLIDFLLRKESIICKPKNGPTSRQMNSSLRHRSTPELYGIVINVQCQFCEYDVCMEPAKTLIE
FQNWDTLLFCIQEGVKMFLKQEKLFVELSGEDIKEFSEDNGFSLFDATLQKRVTSDERSNFQEAC
NNILDSYEMFNLQSKAVKRKTTAENVNTQSSRDSEATRKNNTDAFLYYESGGPGHSHKMTPEPSLQ
NKDSSCSESKMLEQETIVASEAGENEKHKKSFLHSSLENPCGTSLEMFLSPFQTPCHFEEESGQ
DLEWKESTTVNGMAANILKNNRIQNQPKRFKDATEVGCQPLPFATTLWGVHSAQTEKEKKKES
NCGRRNVFSYGRVKLCSTGFITHVVQNEKTKSTETESFKNYVRPGPTRAQETFGNRTRHVSVEP
DIKDLASTLSKESGQLPNKKNCRNTNISYGLENEPTATYTMFSAFQEGSKKSQTDCILSDTSPSFPW
YRHVSND SRKTDKLGFSKPIVRKKLSLSSQLGSLEKFKRQYGVKVENPLDTEVEESNGVTTNLSLQ
VEPDILLKDKNRLNSDVCKITTEHSDSDSSCQPASHILDSEKFPFSKDEDCLEQQMLSLRESP
MTLKELSLFNRKPLDLEKSSESLSASKLSRLKGSERETQTMGMSRNFELPNSDSSRKDSKLCV
LTQDFCMLFNNKHEKTENGVIPTSDSATQDNSFNKNSKTHSNSNTTENCVISETPLVLPYNNKSVT
GKDSDVLRASEQQIGSLDSPSGMLMNPVEDATGDQNGICFQSEESKARACSETEESNTCCSD
WQRHFDVALGRMVYVNKMTGLSTFIAPTEDIQAACTKDLTTVAVDVVLNGSQYRCQPFRRSDLVL
PFLPRARAERTVMRQDNRTVDVTVSSESLQSLFSEWDNPVFARYPEVAVDVSSGQAESLAVK
IHNILYPYRFTKGMHSMQVLQQVDNKFIACLMSTKTEENGESADSEYKQQAQGSGRKKLLSSTLIPP
LEITVTEEQRRLLWCYHKNLEDLGLFVFPDTSLSLVVGKVPLCFVEREANELRRGRSTVTKSV
EEFIREQLELLQTTGGIQGTLP LTVQKVLASQACHGAIKFNDGLSLQESCRLEALSSCQLPFQCAH
GRPSMLPLADIDHLEQEKQIKPNLTKLRKMAQAWRLFGKAECDTRQSLQQSMPPCEPP

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (68); Rat (69)

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](#)

Gene Info — MLH3

Entrez GeneID [27030](#)**GeneBank Accession#** [HQ258639.1](#)**Protein Accession#** [ADR83390.1](#)**Gene Name** MLH3**Gene Alias** HNPCC7, MGC138372**Gene Description** mutL homolog 3 (E. coli)**Omim ID** [114500 604395](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene is a member of the MutL-homolog (MLH) family of DNA mismatch repair (MMR) genes. MLH genes are implicated in maintaining genomic integrity during DNA replication and after meiotic recombination. The protein encoded by this gene functions as a heterodimer with other family members. Somatic mutations in this gene frequently occur in tumors exhibiting microsatellite instability, and germline mutations have been linked to hereditary nonpolyposis colorectal cancer type 7 (HNPCC7). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]

Other Designations DNA mismatch repair protein MLH3|mutL homolog 3

Pathway

- [Mismatch repair](#)

Disease

- [Azoospermia](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Infertility](#)
- [Kidney Failure](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)