

## MLH3

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**Reactivity:**Human

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**164kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human MLH3

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HNPCC7;

**Catalog #:**A7796

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**27030

**Isotype:**IgG

**Swiss Prot:**Q9UHC1

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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