

MLH1 Monoclonal Antibody

Description

| | |
|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-MCA0886 |
| Host | Mouse |
| Isotype | IgG |
| Size | 50ul, 100ul |
| Immunogen | Purified recombinant fragment of MLH1 (aa381-483) expressed in E. Coli. |
| Mol wt | N/A |
| Species reactivity | Human,Monkey |
| Clonality | Monoclonal |
| Recommended application | WB, IHC-p, IF, ICC, ELISA |
| Concentration | 1 mg/ml |
| Full name | DNA mismatch repair protein Mlh1 |
| Synonyms | MLH1; COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described, but their full-length natures have not been determined.

Recommended Dilution

ELISA: 1:10000

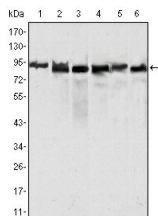
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

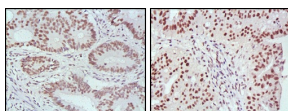
WB: 1:500 - 1:2000

Not yet tested in other applications.

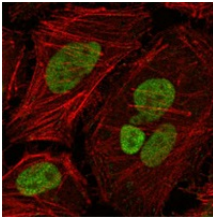
Images



Western Blot analysis using MLH1 Monoclonal antibody against HeLa (1) MCF-7 (2) and A549 (3) Jurkat (4) 2R75 (5) and COS (6) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human rectum cancer (left) and ovarian cancer (right) tissues, showing nuclear localization with DAB staining using MLH1 Monoclonal antibody.



Confocal immunofluorescence analysis of HeLa cells using MLH1 Monoclonal antibody (green), showing nuclear localization. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Storage

-20°C for one year

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