

# MSH2 Monoclonal Antibody

#### Description

Product type Primary Antibody

Code BT-MCA0897

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of human MSH2 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 Msh2

Synonyms MSH2; DNA mismatch repair protein Msh2; hMSH2; MutS protein homolog 2

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

### Background

This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene.

## 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.

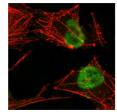
# **Images**



Western Blot analysis using MSH2 Monoclonal antibody against HeLa (1) A549 (2) A431 (3) and HEK293 (4) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human breast cancer (left) and lung cancer (right) tissues, showing nuclear localization with DAB staining using MSH2 Monoclonal antibody.



Confocal immunofluorescence analysis of Hela cells using MSH2 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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