Product Name: **MSH2 Mouse Monoclonal Antibody**
Catalog #: **AMM82674**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human, Mouse, Rat, Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	104.7kDa

Antigen Information

Gene Name	MSH2
Alternative Names	FCC1; COCA1; HNPCC; LCFS2; hMSH2; HNPCC1; MMRCS2
Gene ID	4436.0
SwissProt ID	P43246
Immunogen	Purified recombinant fragment of human MSH2 (AA: (2-151) expressed in E. Coli.

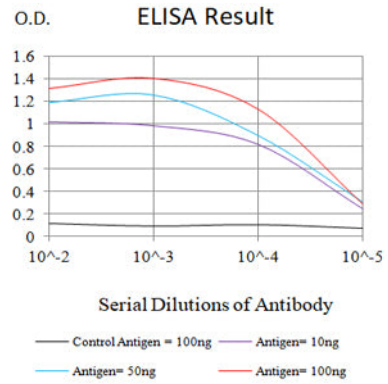
Background

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

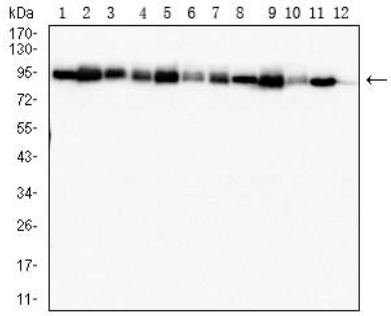
gene.

Research Area

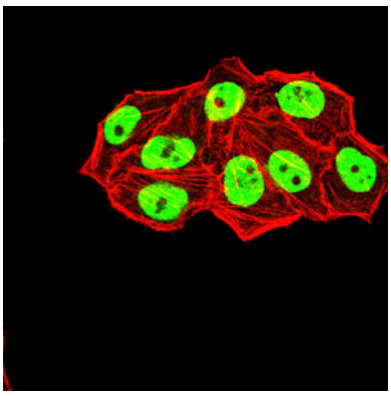
Image Data



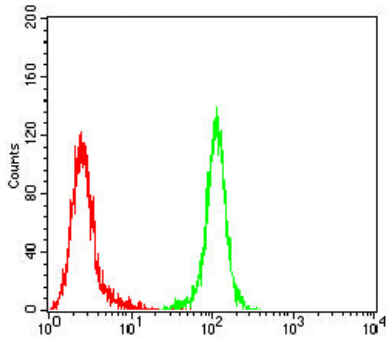
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



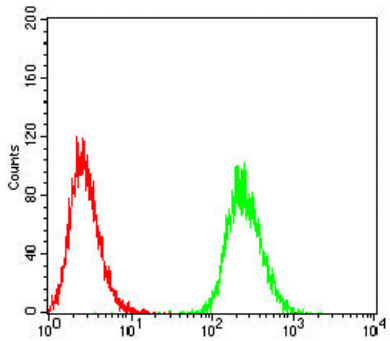
Western blot analysis using MSH2 mouse mAb against Hela (1), K562 (2), A549 (3), A431 (4), MCF-7 (5), DU145 (6), PC-3 (7),Raji (8), SW480 (9), COS-7 (10), NIH/3T3 (11), and PC-12 (12) cell lysate.



Immunofluorescence analysis of *** cells using *** mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of Hela cells using MSH2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using MSH2 mouse mAb (green) and negative control (red).