# MSH2 Rabbit pAb

Catalog No.: A1121



### **Basic Information**

#### **Observed MW**

100kDa/105kDA

#### **Calculated MW**

105kDa

### Category

Primary antibody

### **Applications**

WB,IF/ICC,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

### **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 Dilutions**

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

 $\begin{array}{c} \textbf{ELISA} & \text{Recommended starting} \\ & \text{concentration is 1 } \mu\text{g/mL}. \end{array}$ 

Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID**4436

Swiss Prot
P43246

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### **Synonyms**

FCC1; COCA1; HNPCC; LCFS2; MSH-2; hMSH2; HNPCC1; LYNCH1; MMRCS2; MSH2

### **Contact**

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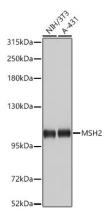
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

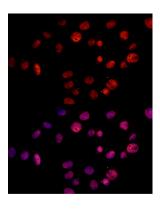


Western blot analysis of various lysates using MSH2 Rabbit pAb (A1121) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25  $\mu$ g per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunofluorescence analysis of C6 cells using MSH2 Rabbit pAb (A1121) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.