

A22177

Leader in Biomolecular Solutions for Life Science



## [KO Validated] MSH2 Rabbit mAb

Catalog No.: A22177 **KO** **Validated** **Recombinant**

### Basic Information

**Observed MW**

105kDa

**Calculated MW**

105kDa

**Category**

SMab Recombinant Monoclonal Antibody

**Applications**

WB,IHC-P,ELISA

**Cross-Reactivity**

Human,Mouse,Rat

**CloneNo number**

ARC55799

### 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** 1:2000 - 1:20000

**IHC-P** 1:100 - 1:500

### Immunogen Information

**Gene ID**

4436

**Swiss Prot**

P43246

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 330-583 of human MSH2 (NP\_000242.1).

**Synonyms**

FCC1; COCA1; HNPCC; LCFS2; MSH-2; hMSH2; HNPCC1; LYNCH1; MMRCS2; H2

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

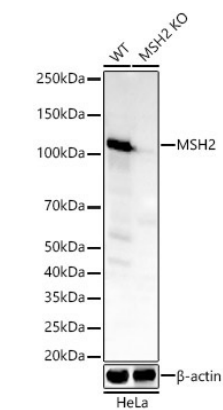
Affinity purification

**Storage**

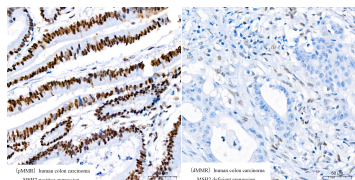
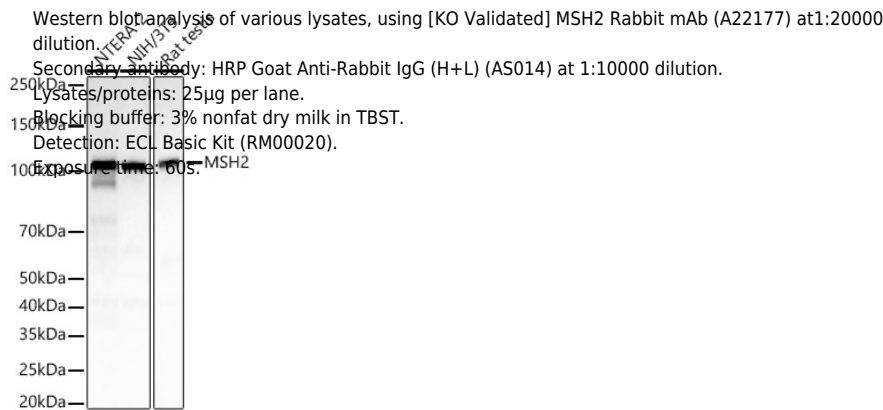
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

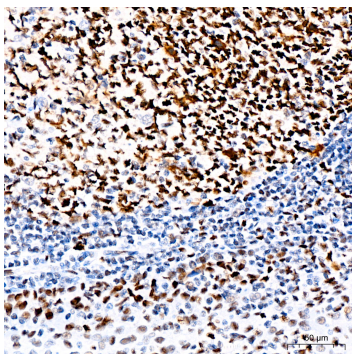
Validation Data



Western blot analysis of lysates from wild type(WT) and MSH2 knockout (KO) HeLa cells, using [KO Validated] MSH2 Rabbit mAb (A22177) at1:20000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.



Immunohistochemistry analysis of MSH2 in paraffin-embedded Human colon carcinoma using [KO Validated] MSH2 Rabbit mAb (A22177) at dilution of 1:400 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of MSH2 in paraffin-embedded Human tonsil using [KO Validated] MSH2 Rabbit mAb (A22177) at dilution of 1:400 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.