

A3177

Leader in Biomolecular Solutions for Life Science



## MSH6 Rabbit pAb

Catalog No.: A3177

### Basic Information

#### Observed MW

200kDa

#### Calculated MW

153kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse

### Background

This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein heterodimerizes with MSH2 to form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene may be associated with hereditary nonpolyposis colon cancer, colorectal cancer, and endometrial cancer. Transcripts variants encoding different isoforms have been described.

### Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:100

### Immunogen Information

#### Gene ID

2956

#### Swiss Prot

P52701

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1061-1360 of human MSH6 (P52701).

#### Synonyms

GTBP; HSAP; p160; GTMBP; MSH-6; HNPCC5; LYNCH5; MMRCS3; MSH6

### Contact



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

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

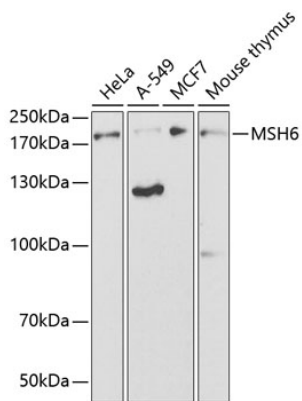
Affinity purification

#### Storage

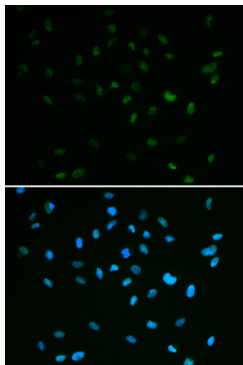
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

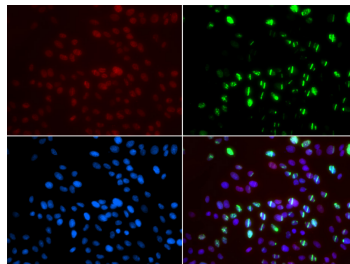
## Validation Data



Western blot analysis of various lysates using MSH6 Rabbit pAb (A3177) at 1:300 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.



Immunofluorescence analysis of A549 cells using MSH6 Rabbit pAb (A3177). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using MSH6 Rabbit pAb (A3177). Green:GFP-RNF168 fusion protein expression for DNA damage marker.Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.