

A18007

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## [KO Validated] MSH6 Rabbit pAb

Catalog No.: A18007 **KO Validated**

### Basic Information

#### Observed MW

160kDa

#### Calculated MW

153kDa

#### Category

Polyclonal Antibody

#### Applications

WB,IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Monkey

### 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 - 1:2000

IF/ICC 1:20 - 1:100

### Immunogen Information

#### Gene ID

2956

#### Swiss Prot

P52701

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-290 of human MSH6 (NP\_000170.1).

#### Synonyms

GTBP; HSAP; p160; GTMBP; MSH-6; HNPCC5; LYNCH5; MMRCS3; H6

### Contact

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

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

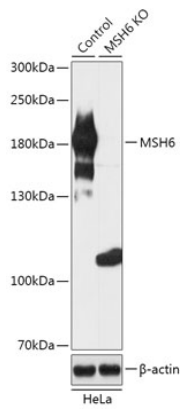
#### Storage

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

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

## Validation Data

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Western blot analysis of lysates from wild type (WT) and MSH6 knockout (KO) HeLa cells, using [KO Validated] MSH6 Rabbit pAb (A18007) at 1:500 dilution.  
Secondary antibody: HRP-conjugated 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: 1min.