

For Research Use Only

# MSH6 Polyclonal antibody

Catalog Number: 18120-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

18120-1-AP

### Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 180 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12645

### GenBank Accession Number:

BC004246

### GeneID (NCBI):

2956

### UNIPROT ID:

P52701

### Full Name:

mutS homolog 6 (E. coli)

### Calculated MW:

153 kDa

### Observed MW:

150-160 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:800-1:3200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, HEK-293

IP : HEK-293 cells,

IHC : human colon tissue,

IF/ICC : HeLa cells,

## Background Information

MSH6, also named as DNA mismatch repair protein Msh6 or GTMBP, is a 1360 amino acid protein, which contains one PWWP domain and belongs to the DNA mismatch repair MutS family. MSH6 localizes in the nucleus and is a component of the post-replicative DNA mismatch repair system. Msh2 and Msh6 form a protein complex required to repair mismatches generated during DNA replication.

## Notable Publications

Author	Pubmed ID	Journal	Application
Etsuko Yokota	29262545	Oncotarget	WB
Ying Shi	33181035	DNA Cell Biol	WB
Hannah Trost	36620890	Nucleic Acids Res	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

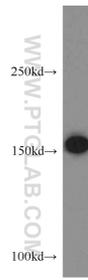
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

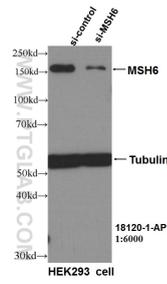
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

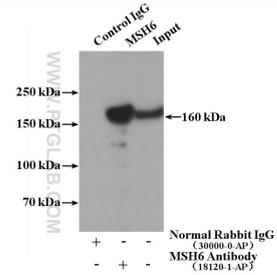
## Selected Validation Data



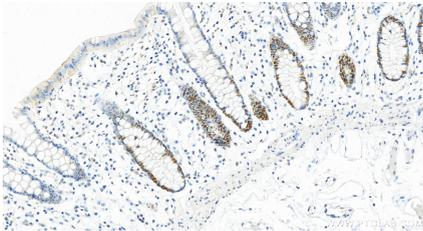
HEK-293 cells were subjected to SDS PAGE followed by western blot with 18120-1-AP (MSH6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



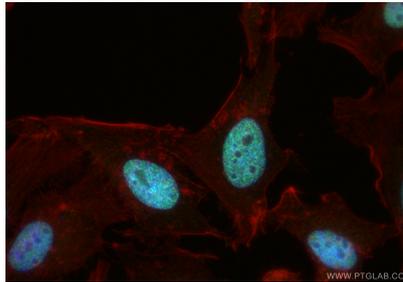
WB result of MSH6 antibody (18120-1-AP, 1:6000) with si-Control and si-MSH6 transfected HEK293 cells.



IP result of anti-MSH6 (IP:18120-1-AP, 4ug; Detection:18120-1-AP 1:600) with HEK-293 cells lysate 1120ug.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 18120-1-AP (MSH6 antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MSH6 antibody (18120-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).