

# MSH5 Rabbit pAb

**Catalog No.:** A10121

## Basic Information

**Catalog No.**

A10121

**Observed MW**

100kDa

**Calculated MW**

91kDa/92kDa/93kDa/94kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

**WB** 1:500 - 1:2000

## Background

This gene encodes a member of the mutS family of proteins that are involved in DNA mismatch repair and meiotic recombination. This protein is similar to a *Saccharomyces cerevisiae* protein that participates in segregation fidelity and crossing-over events during meiosis. This protein plays a role in promoting ionizing radiation-induced apoptosis. This protein forms hetero-oligomers with another member of this family, mutS homolog 4. Polymorphisms in this gene have been linked to various human diseases, including IgA deficiency, common variable immunodeficiency, and premature ovarian failure. Alternative splicing results multiple transcript variants. Read-through transcription also exists between this gene and the downstream chromosome 6 open reading frame 26 (C6orf26) gene.

## Immunogen Information

**Gene ID**

4439

**Swiss Prot**

O43196

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human MSH5 (NP\_751897.1).

**Synonyms**

MSH5;G7;MUTSH5;NG23;POF13

## Contact

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

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

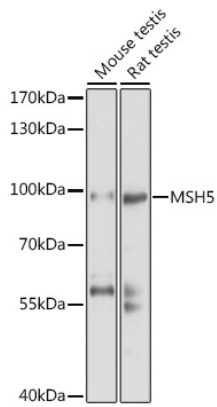
**Storage**

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using MSH5 antibody (A10121) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.