## **MSH4 Rabbit Polyclonal Antibody**



## **CAB8556**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

105kDa

**Calculated MW:** 

104kDa

**Applications:** 

WB IF

Reactivity:

Human, Mouse, Rat

**Protein Background** 

This gene encodes a member of the DNA mismatch repair mutS family. This member is a meiosis-specific protein that is not involved in DNA mismatch correction, but is required for reciprocal recombination and proper segregation of homologous chromosomes at meiosis I. This protein and MSH5 form a heterodimer which binds uniquely to a Holliday Junction and its developmental progenitor, thus provoking ADP-ATP exchange, and stabilizing the interaction between parental chromosomes during meiosis double-stranded break repair.

Immunogen information

**Gene ID:** 4438

**Uniprot** O15457

Synonyms:

MSH4

**Antibody Information** 

**Recommended dilutions:** 

WB 1:500 - 1:2000 IF 1:50 -

1:200

Source:

Rabbit

Isotype:

IgG

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 697-936 of human MSH4 (NP\_002431.2).

Storage:

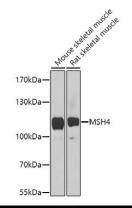
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

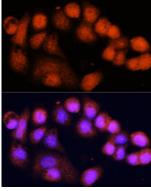
**Purification:** 

Affinity purification

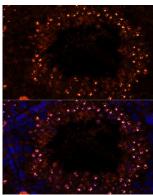
## **Product Images**



Western blot analysis of extracts of various cell lines, using MSH4 antibody (CAB8556) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.



Immunofluorescence analysis of OVCAR-3 cells using MSH4 antibody (CAB8556) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of mouse testis using MSH4 antibody (CAB8556) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.