

MutS Protein Homolog 6 (MSH6) (AB1562) mouse mAb

W0367

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 153 kDa (calculated)
- 180 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:100-1:500 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1562

Immunogen A synthetic peptide corresponding to the amino acid region 900 - 1000 of the human MutS Protein Homolog 6 protein.

Specificity The antibody can specifically recognize human MSH6 protein. In western blotting of HEK293 cell lysate, the antibody can label a 180 kDa band corresponding to MSH6, while there is no band detected in MSH6 knock out HEK293 cell lysate.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name MSH6

Protein Name MutS Protein Homolog 6

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P52701	2956

Background MSH6 is an important gene in the human mismatch repair gene family, which is located at position 16 of the p arm of chromosome 2. Human mismatch repair genes play an important role in maintaining the integrity and stability of genetic information and avoiding genetic mutation. The deletion of this gene after mutation will make the cell mismatch repair function defective, lead to microsatellite instability (MSI), and make the tumor susceptible. Clinically, it is often used in the screening of Lynch syndrome together with mismatch repair proteins MLH1, MSH2 and PMS2.