

Postmeiotic Segregation Increased 2 (PMS2) (AB2348) mouse mAb

V0585

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse;

Applications

- Immunohistochemistry (IHC)

MW

- 96 kDa (calculated)
- 110 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:50-1:100

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 AB2348

Immunogen A synthetic peptide corresponding to the amino acid region 600 - 700 of the human Postmeiotic Segregation Increased 2 protein.

Specificity The antibody can specifically recognize human PMS2 protein.

Purification Affinity purification Protein A

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

Target Information

Gene name PMS2

Protein Name Postmeiotic Segregation Increased 2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P54278	5395

Background Human mismatch repair genes play an important role in maintaining the integrity and stability of genetic information and avoiding genetic mutation. PMS2 is a mismatch repair protein with a molecular weight of 96kDa, located on chromosome 7. It mainly corrects single base mismatch and small fragment mismatch in vivo. PMS2 forms heterodimer with MLH1 protein and coordinates the binding of other proteins after being activated by ATP to repair DNA errors during cell division. At present, it is mostly used for Lynch syndrome screening together with MLH1, MSH2 and MSH6.