

Postmeiotic Segregation Increased 2(PMS2) (PT2116) Mouse mAb

YM4296

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse

Applications

- IHC, WB, IF, ELISA

MW

- 96 kDa (Calculated)
- 110 kDa (Observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Western Blotting (WB)
Immunohistochemistry (IHC) (Paraffin)
Immunofluorescence (IF)
ELISA

Dilution

1:500-2000
1:200-1000
1:100-500
1:1000-5000

Storage

Storage at	-15°C to -25°C/1 year(Do not lower than -25°C)
Storage buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	PT2116
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. In western blotting of Hela, Jurkat and HepG2 cell lysates, there shows a 110 kDa band detected by the antibody.
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	SwissProt	Gene ID
	Human	P54278	5395
	Mouse	P54279	
	Rat		

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 96 kDa, 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.

Contact information

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