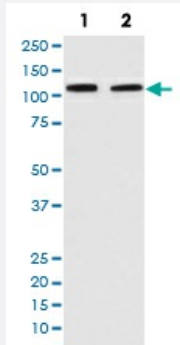


# PMS2 monoclonal antibody, clone AEH-16

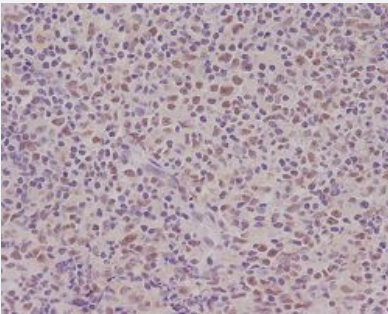
Catalog # MAB20608      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of (1) Jurkat cell lysate, (2)HeLa cell lysate using PMS2 monoclonal antibody, clone AEH-16.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human tonsil using PMS2 monoclonal antibody, clone AEH-16.

## Specification

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic peptide of human PMS2. |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human PMS2.                           |
| <b>Host</b>                | Rabbit                                                                     |
| <b>Reactivity</b>          | Human                                                                      |
| <b>Form</b>                | Liquid                                                                     |
| <b>Purification</b>        | Affinity purification                                                      |
| <b>Isotype</b>             | IgG                                                                        |

|                            |                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommend Usage</b>     | Flow Cytometry (1:50)<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Immunoprecipitation (1:50)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                                                                                                      |
| <b>Storage Instruction</b> | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.                                                                                |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                               |

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of (1) Jurkat cell lysate, (2) HeLa cell lysate using PMS2 monoclonal antibody, clone AEH-16.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human tonsil using PMS2 monoclonal antibody, clone AEH-16.

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

## Gene Info — PMS2

|                           |                        |
|---------------------------|------------------------|
| <b>Entrez GeneID</b>      | <a href="#">5395</a>   |
| <b>Protein Accession#</b> | <a href="#">P54278</a> |
| <b>Gene Name</b>          | PMS2                   |
| <b>Gene Alias</b>         | HNPCC4, PMS2CL, PMSL2  |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | PMS2 postmeiotic segregation increased 2 (S. cerevisiae)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Omim ID            | <a href="#">276300</a> <a href="#">600259</a> <a href="#">608623</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Summary       | This gene is one of the PMS2 gene family members found in clusters on chromosome 7. The product of this gene is involved in DNA mismatch repair. It forms a heterodimer with MLH1 and this complex interacts with other complexes bound to mismatched bases. Mutations in this gene are associated with hereditary nonpolyposis colorectal cancer, Turcot syndrome, and are a cause of supratentorial primitive neuroectodermal tumors. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq] |
| Other Designations | DNA mismatch repair protein H_DJ0042M02.9 PMS2 postmeiotic segregation increased 2 mismatch repair endonuclease postmeiotic segregation increased 2                                                                                                                                                                                                                                                                                                                                                                                      |

## Pathway

- [Mismatch repair](#)

## Disease

- [Adenocarcinoma](#)
- [Ataxia telangiectasia](#)
- [Breast cancer](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Duodenal Neoplasms](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ileal Neoplasms](#)
- [Jejunal Neoplasms](#)
- [Kidney Failure](#)

- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)