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PMS2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PMS2.
Catalog # AT3358a

Specification

PMS2 Antibody (monoclonal) (M01) - Product Information

Application	**E**
Primary Accession	P54278
Other Accession	NM_000535
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**95797**

PMS2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 5395

Other Names
Mismatch repair endonuclease PMS2, 31--, DNA mismatch repair protein PMS2, PMS1 protein homolog 2, PMS2, PMSL2

Target/Specificity
PMS2 (NP_000526, 763 a.a. ~ 862 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PMS2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PMS2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

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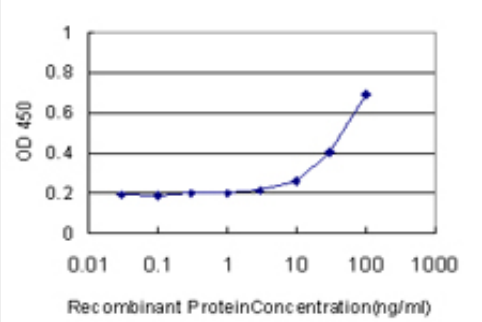
- Flow Cytomety
- Cell Culture

PMS2 Antibody (monoclonal) (M01) - Images



Detection limit for recombinant GST tagged PMS2 is approximately 3ng/ml as a capture antibody.

PMS2 Antibody (monoclonal) (M01) - Background

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.

PMS2 Antibody (monoclonal) (M01) - References

Comprehensive screen of genetic variation in DNA repair pathway genes and postmenopausal breast cancer risk. Monsees GM, et al. Breast Cancer Res Treat, 2010 May 23. PMID 20496165.A Large-scale genetic association study of esophageal adenocarcinoma risk. Liu CY, et al. Carcinogenesis, 2010 Jul. PMID 20453000.Genetic variation in 3-hydroxy-3-methylglutaryl CoA reductase modifies the chemopreventive activity of statins for colorectal cancer. Lipkin SM, et al. Cancer Prev Res (Phila), 2010 May. PMID 20403997.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Functional PMS2 hybrid alleles containing a pseudogene-specific missense variant trace back to a single ancient intrachromosomal recombination event. Ganster C, et al. Hum Mutat, 2010 May. PMID 20186689.