

For Research Use Only

# PMS2 Monoclonal antibody, PBS Only



Catalog Number: 66075-1-PBS

## Basic Information

Catalog Number:

66075-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG12661

GenBank Accession Number:

BC093921

GeneID (NCBI):

5395

UNIPROT ID:

P54278

Full Name:

PMS2 postmeiotic segregation increased 2 (*S. cerevisiae*)

Calculated MW:

862 aa, 96 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

1G4E6

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, rat, mouse

## Background Information

PMS2, also named as PMSL2, belongs to the DNA mismatch repair mutL/hexB family. It is a component of the post-replicative DNA mismatch repair system (MMR). It heterodimerizes with MLH1 to form MutL alpha. MutL alpha (MLH1-PMS2) interacts physically with the clamp loader subunits of DNA polymerase III, suggesting that it may play a role to recruit the DNA polymerase III to the site of the MMR. It also implicated in DNA damage signaling, a process which induces cell cycle arrest and can lead to apoptosis in case of major DNA damages. (PMID: 16873062, PMID: 18206974) Defects in PMS2 are the cause of hereditary non-polyposis colorectal cancer type 4 (HNPCC4). Defects in PMS2 are a cause of mismatch repair cancer syndrome (MMRCS).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

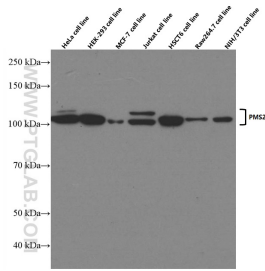
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

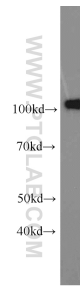
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Vairous cells were subjected to SDS PAGE followed by western blot with 66075-1-Ig (PMS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66075-1-PBS in a different storage buffer formulation.



A431 cells were subjected to SDS PAGE followed by western blot with 66075-1-Ig (PMS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66075-1-PBS in a different storage buffer formulation.