

Datasheet for ABIN5009015

**anti-PMS1 antibody (AA 245-350) (AbBy Fluor® 750)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | PMS1                                                                                                                           |
| Binding Specificity: | AA 245-350                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This PMS1 antibody is conjugated to AbBy Fluor® 750                                                                            |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PMS1 |
| Isotype:              | IgG                                                      |
| Predicted Reactivity: | Human,Mouse,Rat,Cow,Sheep,Horse                          |
| Purification:         | Purified by Protein A.                                   |

## Target Details

|                   |                                                                                   |
|-------------------|-----------------------------------------------------------------------------------|
| Target:           | PMS1                                                                              |
| Alternative Name: | PMS1 ( <a href="#">PMS1 Products</a> )                                            |
| Background:       | Synonyms: DNA mismatch repair protein PMS1, HNPCC3, hPMS1, Human homolog of yeast |

## Target Details

mutL, Mismatch repair gene PMSL1, pms1, PMS1 postmeiotic segregation increased 1 S. cerevisiae, PMS1 postmeiotic segregation increased 1, PMS1 protein homolog 1, PMS1\_HUMAN, PMSL1, Rhabdomyosarcoma antigen MU RMS 40.10B, Rhabdomyosarcoma antigen MU RMS 40.10E.

Background: The finding that mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC) has resulted in considerable interest in the understanding of the mechanism of DNA mismatch repair. Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. The demonstration that 10 to 45 % of pancreatic, gastric, breast, ovarian and small cell lung cancers also display microsatellite instability has been interpreted to suggest that DNA mismatch repair is not restricted to HNPCC tumors but is a common feature in tumor initiation or progression. Two additional homologs of the prokaryotic MutL gene, designated PMS1 and PMS2, have been identified and shown to be mutated in the germline of HNPCC patients.

Gene ID: 5378

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

## Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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| Expiry Date: | 12 months |
|--------------|-----------|