

Datasheet for ABIN6145829  
**anti-PMS2 antibody (AA 390-670)**

## 1 Image

[Go to Product page](#)

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µL                              |
| Target:              | PMS2                                |
| Binding Specificity: | AA 390-670                          |
| Reactivity:          | Human                               |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This PMS2 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|                   |                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 390-670 of human PMS2 (NP_000526.2).                                                                                                                                                                                                                  |
| Sequence:         | ADLEKPMVEK QDQSPSLRTG EEKDVSI SR LREAFSLRHT TENKPHSPKT PEPRRSPLGQ<br>KRGMLSSSTS GAISDKGVLR PQKEAVSSSH GPSDPTDRAE VEKDSGHGST SVDSEGF SIP<br>DTGSHCSSEY AASSPGDRGS QEHVDSQEKA PKTDDSFSDV DCHSNQEDTG CKFRVLPQPT<br>NLATPNTKRF KKEEILSSSD ICQKL VNTQD MSASQVDVAV KINKKVPLD FSMSSLAKRI<br>KQLHHEAQQS EGEQNYRKFR AKICPGENQA AEDEL RKEIS K |
| Isotype:          | IgG                                                                                                                                                                                                                                                                                                                                 |
| Cross-Reactivity: | Human, Rat                                                                                                                                                                                                                                                                                                                          |
| Characteristics:  | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                               |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PMS2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Alternative Name: | PMS2 ( <a href="#">PMS2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Background:       | <p>The protein encoded by this gene is a key component of the mismatch repair system that functions to correct DNA mismatches and small insertions and deletions that can occur during DNA replication and homologous recombination. This protein forms heterodimers with the gene product of the mutL homolog 1 (MLH1) gene to form the MutL-alpha heterodimer. The MutL-alpha heterodimer possesses an endonucleolytic activity that is activated following recognition of mismatches and insertion/deletion loops by the MutS-alpha and MutS-beta heterodimers, and is necessary for removal of the mismatched DNA. There is a DQHA(X)2E(X)4E motif found at the C-terminus of the protein encoded by this gene that forms part of the active site of the nuclease. Mutations in this gene have been associated with hereditary nonpolyposis colorectal cancer (HNPCC, also known as Lynch syndrome) and Turcot syndrome.,PMS2,HNPCC4,MLH4,PMS2CL,PMSL2,PMS2</p> |
| Molecular Weight: | 20 kDa/51 kDa/62 kDa/95 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene ID:          | 5395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt:          | <a href="#">P54278</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pathways:         | <a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB,1:500 - 1:2000     |
| Comment:           | HIGH QUALITY          |
| Restrictions:      | For Research Use only |

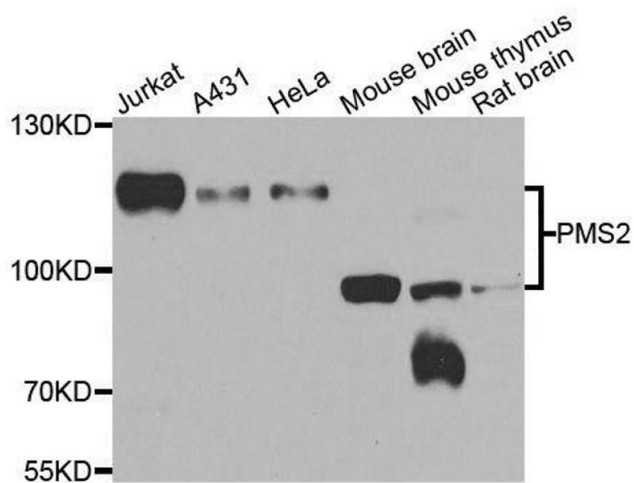
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Buffer:            | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.                                                                    |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                                 |

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PMS2 antibody.