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anti-PMS2 antibody





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|--------|-----|--------|---------------|-----|------------|---|----|
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| Quantity: | 200 μL | |
|--------------|-------------------------------------|--|
| Target: | PMS2 | |
| Reactivity: | Human, Mouse, Rat | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Conjugate: | This PMS2 antibody is un-conjugated | |
| Application: | Immunofluorescence (IF) | |

Product Details

| Immunogen: | Recombinant fusion protein of human PMS2 (NP_000526.2). | |
|------------------|---|--|
| Isotype: | IgG | |
| Characteristics: | Polyclonal Antibody | |
| Purification: | Affinity purification | |

Target Details

| Target: | PMS2 |
|-------------------|---|
| Alternative Name: | PMS2 (PMS2 Products) |
| Background: | 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 |

Target Details

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.

Gene ID: 5395

UniProt: P54278

Pathways: DNA Damage Repair, Production of Molecular Mediator of Immune Response

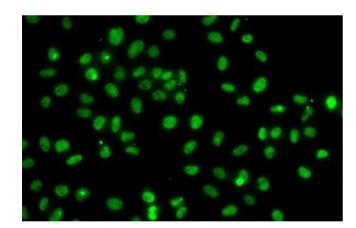
Application Details

Application Notes: IF 1:50-1:100

Restrictions: For Research Use only

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1 mg/mL |
| 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 |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Immunofluorescence

Image 1. Immunofluorescence analysis of A-549 cells using PMS2 Polyclonal Antibody