

• Rabbit Anti-PMS2 Polyclonal Antibody

Primary Antibodies

Background:

Mismatch DNA repair in bacteria is carried out by the MutL, MutH, and MutS proteins. The MutS protein initially binds to mismatched DNA. This is followed by binding of the MutH endonuclease and MutL to form a complex that carries out excision repair. The hMSH2 gene specifies a MutS homologue and hMLH1, hPMS1, and hPMS2 encode MutL homologs. Mutations in these genes are associated with hereditary nonpolyposis colon cancer (HNPCC), one of the most common hereditary diseases in man. As with the bacterial system, HNPCC is characterized by frequent microsatellite mutations that arise by somatic mutation due to a replication error (RER+) phenotype. Both hPMS1 and hPMS2 are mutated in the germline of HNPCC patients. Although the exact function of MutL and its homologs has yet to be determined, it is known that a complex of PMS2 and MLH1 (MutLa) from HeLa cells can complement a deficiency of MLH1 in hypermutable H6 colorectal tumor cells.

Source/Purification:

KLH conjugated synthetic peptide derived from human PMS2. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Rabbit

Reactivities:

Human, Mouse, Rat, Dog, Pig, Cow, Rabbit,

Application:

- WB(1:100-500)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications.
Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 103kDa

Preservatives:

10ug/uL BSA and 0.1% NaN₃.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.