

Product datasheet for **AP00189PU-N**

PMS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot: 0.5-4 µg/ml. Immunoprecipitation: 10-20 µg/ml. Immunohistochemistry: 10-20 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 846 of human PMS2
Specificity:	The antibody recognizes ~100 kDa PMS2.
Formulation:	PBS containing 30% Glycerol, 0.5% BSA, and 0.01 % Thimerosal. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Peptide Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	PMS1 homolog 2, mismatch repair system component
Database Link:	Entrez Gene 5395 Human P54278



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Background:

Inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were initially demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. The demonstration that 10 - 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.

Synonyms:

PMSL2