Product Name: PMS2 Rabbit Monoclonal Antibody
Catalog #: AMRe01493

Summary

Production Name	PMS2 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purification

Immunogen

Gene Name	PMS2
Alternative Names	DNA mismatch repair gene; DNA mismatch repair protein PMS2; HNPCC4; PMS1 protein homolog 2
Gene ID	5395
SwissProt ID	P54278.

Application

Dilution Ratio	WB: 1:500-1:1000 IP: 1:20
Molecular Weight	Calculated MW: 96 kDa; Observed MW: 96 kDa

Background

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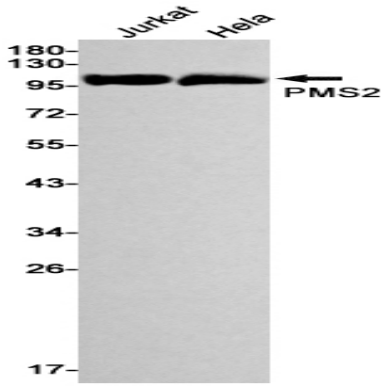
Assembly of the MutL-MutS-heteroduplex ternary complex in presence of RFC and PCNA is sufficient to activate endonuclease activity of PMS2. It introduces single-strand breaks near the mismatch and thus generates new entry points for the exonuclease EXO1 to degrade the strand containing the mismatch. DNA methylation would prevent cleavage and therefore assure that only the newly mutated DNA strand is going to be corrected.

Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of PMS2 in Jurkat, Hela lysates using PMS2 antibody.

Note

For research use only.