

Recombinant

DGRmAb®

PMS2 (DGR12009) Rabbit mAb

db11002

Package : 10µL 20µL 50µL 100µL

Product Name : PMS2 (DGR12009) Rabbit mAb**Cat.No.:** db11002**Synonyms :** MLH4; PMSL2; HNPCC4; PMS2CL**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human**Host species :** Rabbit**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 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. [provided by RefSeq, Apr 2016]

Immunogen

A synthetic peptide of human PMS2

Gene ID

5395

Swiss Prot

P54278

Synonyms

MLH4; PMSL2; HNPCC4; PMS2CL

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:200-1:500

ICC/IF: 1:100-1:200

FC: 1:100-1:200

IP: 1:10-1:100

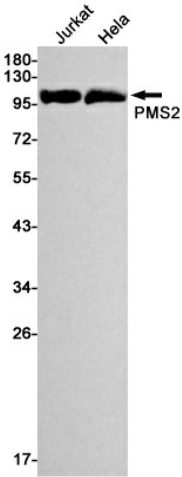
Calculated MW

96 kDa

Observed MW

96 kDa

Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR12009
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of PMS2 in Jurkat,HeLa cell lysates using PMS2 antibody(1:1000 diluted).