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Anti-PMS2 Rabbit mAb [92C21]

Catalog No.: A52279

Basic Information

Catalog No. (Cat.No.)	A52279
Host species	Rabbit
Reactivity	Human
Applications	WB,IHC,IF,ELISA
Synonyms	PMS2,PMS1 homolog 2,PMS2 homolog

Product Information

Target	PMS2
Molecular Weight(Calculated)	96 kDa
Molecular Weight(Observed)	110 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	92C21
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:500-1:5000
IHC	1:200-1:1000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	PMS2 mismatch repair protein
Gene Name	*PMS2*
Domain	NA
Background	PMS2 (PMS2 homolog 2, mismatch-repair protein) belongs to mismatch-repair (MMR) protein family and corrects DNA replication errors to preserve genome integrity. As subunit of MutLα heterodimer, PMS2 heterodimerizes with MLH1. Together with MutS complexes, it recognizes base mismatches and insertion-deletion loops and initiates excision-repair of erroneous DNA segments. PMS2 protein stability strictly depends on MLH1; PMS2 is rapidly degraded upon MLH1 loss. Inactivating PMS2 mutation causes defective mismatch repair and microsatellite instability (MSI), driving Lynch syndrome and drastically elevating risk for colorectal and endometrial carcinoma. IHC-P serves as key clinical-pathology MMR screening assay.