Datasheet for ABIN1399840

anti-PMS1 antibody (AA 245-350) (Alexa Fluor 488)

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Overview

Quantity:	100 µL
Target:	PMS1
Binding Specificity:	AA 245-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PMS1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PMS1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	PMS1
Alternative Name:	PMS1 (PMS1 Products)
Background:	Synonyms: DNA mismatch repair protein PMS1, HNPCC3, hPMS1, Human homolog of yeast

Target Details

	mutL, Mismatch repair gene PMSL1, pms1, PMS1 postmeiotic segregation increased 1 S. cerevisiae, PMS1 postmeiotic segregation increased 1, PMS1 protein homolog 1, PMS1_HUMAN, PMSL1, Rhabdomyosarcoma antigen MU RMS 40.10B, Rhabdomyosarcoma antigen MU RMS 40.10E. Background: The finding that mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC) has resulted in considerable interest in the understanding of the mechanism of DNA mismatch repair. Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. The demonstration that 10 to 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.
Gene ID:	5378

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months