antibodies - online.com







anti-MLH1 antibody (AA 381-483)



Images



Overview

Quantity:	0.1 mg
Target:	MLH1
Binding Specificity:	AA 381-483
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MLH1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human MLH1 (AA: 381-483) expressed in E. coli.
Clone:	8C12B7
Isotype:	lgG2b
Purification:	purified

Target Details

Target:	MLH1
Alternative Name:	MLH1 (MLH1 Products)
Background:	Description: The protein encoded by this gene can heterodimerize with mismatch repair
	endonuclease PMS2 to form MutL alpha, part of the DNA mismatch repair system. When MutL

alpha is bound by MutS beta and some accessory proteins, the PMS2 subunit of MutL alpha		
introduces a single-strand break near DNA mismatches, providing an entry point for		
exonuclease degradation. The encoded protein is also involved in DNA damage signaling and $$		
can heterodimerize with DNA mismatch repair protein MLH3 to form MutL gamma, which is		
involved in meiosis. This gene was identified as a locus frequently mutated in hereditary		
nonpolyposis colon cancer (HNPCC).		

Molecular Weight:	84.6 kDa
Gene ID:	4292

Pathways: DNA Damage Repair, Production of Molecular Mediator of Immune Response

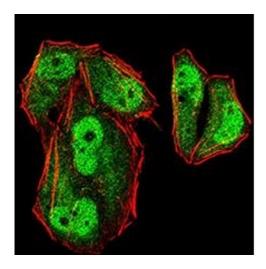
Aliases: FCC2, COCA2, HNPCC, hMLH1, HNPCC2

Application Details

Application Notes:	WB:1:500 - 1:2000, ICC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,
Restrictions:	For Research Use only

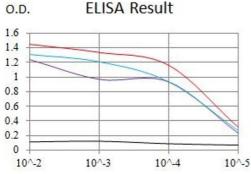
Handling

Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



Immunofluorescence

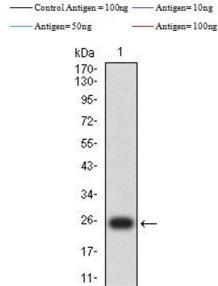
Image 1. Immunofluorescence analysis of Hela cells using MLH1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Serial Dilutions of Antibody



Western Blotting

Image 3. Western blot analysis using MLH1 mAb against human MLH1 (AA: 381-483) recombinant protein. (Expected MW is 25.1 kDa)

Please check the product details page for more images. Overall 6 images are available for ABIN7193525.