Datasheet for ABIN655632

anti-MLH1 antibody (AA 452-480)

2 Images

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Overview

Quantity:	400 µL
Target:	MLH1
Binding Specificity:	AA 452-480
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLH1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This MLH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 452-480 amino acids from the Central region of human MLH1.
Clone:	RB18813
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MLH1
Alternative Name:	MLH1 (MLH1 Products)
Background:	This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer

Target Details

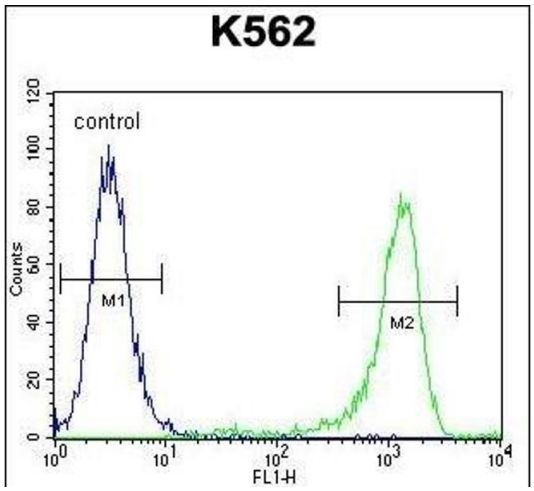
	(HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+phenotype) found in HNPCC. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described, but their full-length natures have not been determined.
Molecular Weight:	84601
Gene ID:	4292
NCBI Accession:	NP_000240, NP_001161089, NP_001161090, NP_001161091, NP_001245200, NP_001245202, NP_001245203
UniProt:	P40692
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

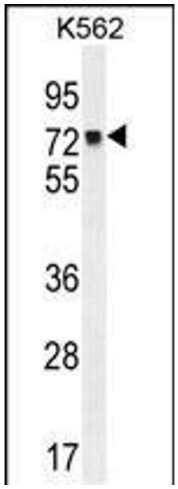
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. MLH1 Antibody (Center) (ABIN655632 and ABIN2845111) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. MLH1 Antibody (Center) (ABIN655632 and ABIN2845111) western blot analysis in K562 cell line lysates (35 µg/lane).This demonstrates the MLH1 antibody detected the MLH1 protein (arrow).