Datasheet for ABIN2854956
anti-MLH1 antibody

3	Images

Overview

Quantity:	100 µL
Target:	MLH1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MLH1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to MLH1 (mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)) MLH1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MLH1
Alternative Name:	mutL homolog 1 (MLH1 Products)

Target Details

Background:	This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (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. Alternatively spliced transcript variants encoding different isoforms have been described, but their full-length natures have not been determined. Cellular Localization: Nucleus
Molecular Weight:	85 kDa
Gene ID:	4292
UniProt:	P40692
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB: 1:500-1:20000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: A549 , H1299 , human MLH1-transfected 293T Validation: Overexpression
Restrictions:	For Research Use only

Handling

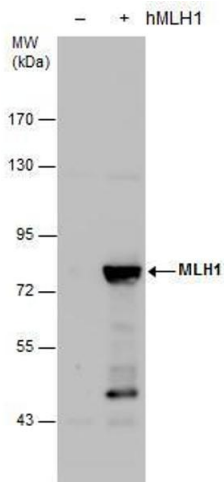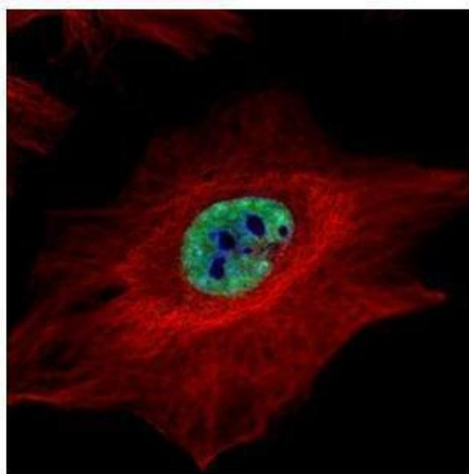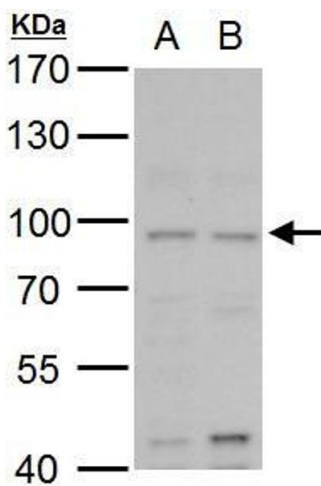|	
Format:	Liquid
Concentration:	0.94 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images