Datasheet for ABIN953526

anti-MSH2 antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	MSH2
Binding Specificity:	AA 644-673, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 644-673aa) of human MSH2.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human MSH2.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	MSH2
Alternative Name:	MSH2 (MSH2 Products)

Target Details

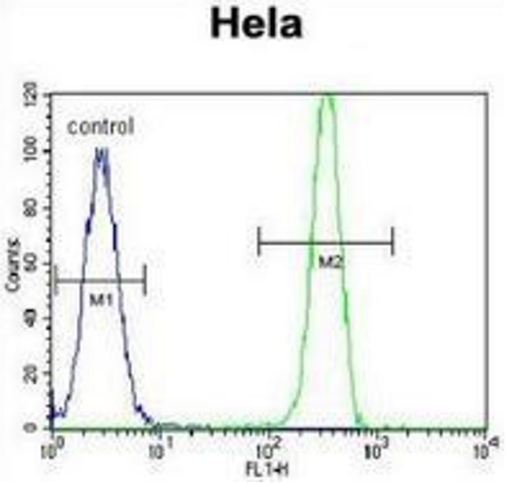
Background:	MSH2 was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC.Synonyms: DNA mismatch repair protein Msh2, MutS protein homolog 2
Molecular Weight:	104743 Da
Gene ID:	4436
NCBI Accession:	NP_000242
Pathways:	DNA Damage Repair, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

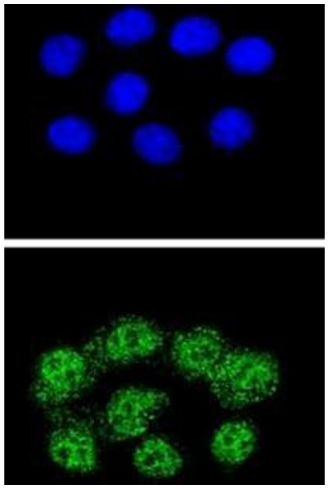
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram) using MSH2 Antibody , followed by FITC-conjugated goat-anti-rabbit secondary antibodies.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis with Hela cells using MSH2 Antibody , followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Western Blotting

Image 3. Western blot analysis in K562 cell line lysates (35ug/lane) using MSH2 Antibody . This demonstrates this antibody detected the MSH2 protein (arrow).