

Datasheet for ABIN6940081
anti-MSH2 antibody (AA 327-427)



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8 Images

Overview

Quantity:	100 µg
Target:	MSH2
Binding Specificity:	AA 327-427
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MSH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 327-427) of human MSH2 protein (exact sequence is proprietary)
Clone:	MSH2-2622
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MSH2
Alternative Name:	MSH2 (MSH2 Products)

Target Details

Background: Mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC). Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes MutS and MutL were found 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.

Molecular Weight: 100kDa

Gene ID: 4436

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Positive Control: A549 or HepG2 cells. Colon, Thyroid, Testis or Lymph Node.
Known Application: Flow Cytometry (1-2 µg/million cells), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

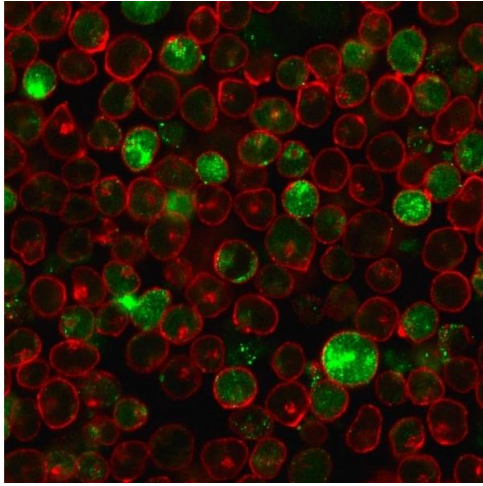
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

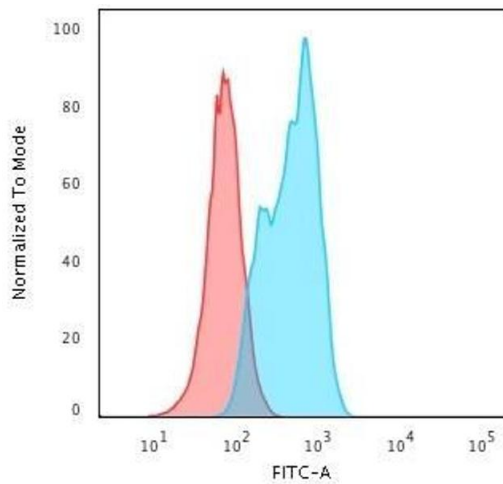
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



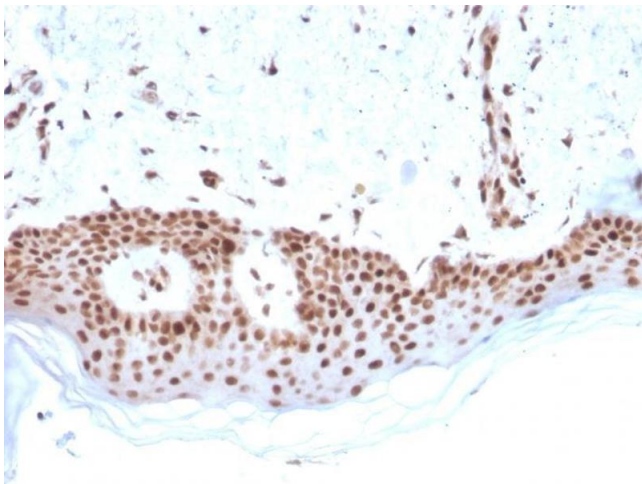
Immunofluorescence

Image 1. Immunofluorescence staining of MOLT-4 cells using MSH2 Mouse Monoclonal Antibody (MSH2/2622) followed by goat anti-mouse IgG conjugated to CF488 (green). Membrane are stained with Phalloidin (Red).



Flow Cytometry

Image 2. Flow Cytometric Analysis of A549 cells using MSH2 Mouse Monoclonal Antibody (MSH2/2622) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with MSH2 Mouse Monoclonal Antibody (MSH2/2622).

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN6940081.