Recombinant MSH2 Monoclonal Antibody

catalog number: **AN301604L**

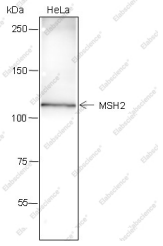
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human MSH2 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C311227
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000
IHC	1:50
IF	1:50-1:100
IP	1:50-1:100

Data

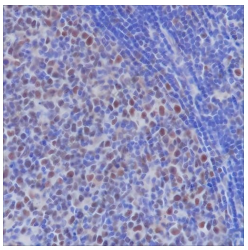


Western Blot with MSH2 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa

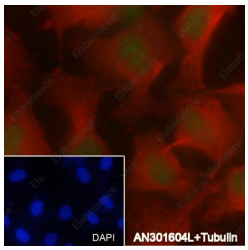
Observed-MW:104 kDa

Calculated-MW:105 kDa

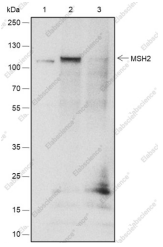
Immunohistochemistry of paraffin-embedded Human esophagus using MSH2 Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human tonsil using MSH2 Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-MSH2 Monoclonal Antibody at dilution of 1:100.



Immunoprecipitation analysis using anti-MSH2 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using MSH2 Monoclonal Antibody at a dilution of 1:100. Lane 1: 5% Input, Lane 2: Rabbit monoclonal IgG Isotype, Lane 3: MSH2 Monoclonal Antibody

Observed-MW:104 kDa

Calculated-MW:105 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This locus is 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. Two transcript variants encoding different isoforms have been found for this gene.