Product Datasheet

MSH6 Rabbit mAb

Catalog No: #52811

Package Size: #52811-1 50ul #52811-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

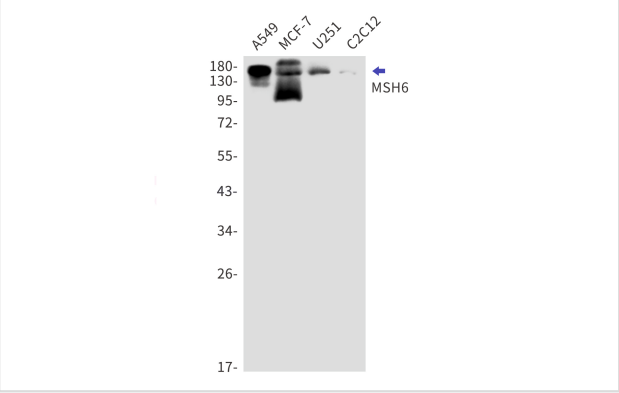
Description

Product Name	MSH6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-6G6
Isotype	IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human MSH6
Conjugates	Unconjugated
Modification	Unmodification
Other Names	GTBP; HSAP; p160; GTMBP; HNPCC5
Accession No.	Swiss-Prot:P52701GeneID:2956
Uniprot	P52701
GeneID	2956
Calculated MW	Calculated MW:163 kDa,Observed MW:163 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

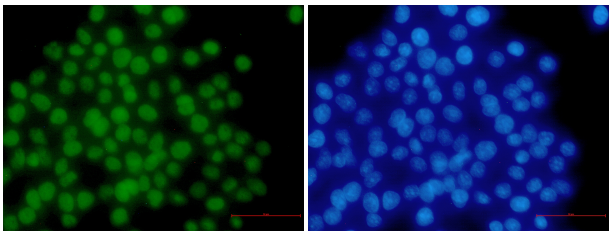
Application Details

WB: 1/1000 ICC/IF: 1/20

Images



Western blot detection of MSH6 in A549,MCF-7,U251,C2C12 cell lysates using MSH6 Rabbit mAb(1:1000 diluted).Predicted band size:163kDa.Observed band size:163kDa.



Immunocytochemistry of MSH6 (green) in hela using MSH6 Rabbit mAb at dilution 1/50, and DAPI(blue)

Background

This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine nucleotide binding motif, exists in MutS homologs. The encoded protein heterodimerizes with MSH2 to form a mismatch recognition complex that functions as a bidirectional molecular switch that exchanges ADP and ATP as DNA mismatches are bound and dissociated. Mutations in this gene may be associated with hereditary nonpolyposis colon cancer, colorectal cancer, and endometrial cancer. Transcripts variants encoding different isoforms have been described. [provided by RefSeq, Jul 2013]

Note: This product is for in vitro research use only