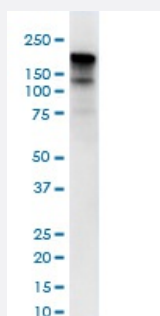


MSH6 monoclonal antibody, clone MSH6/3085

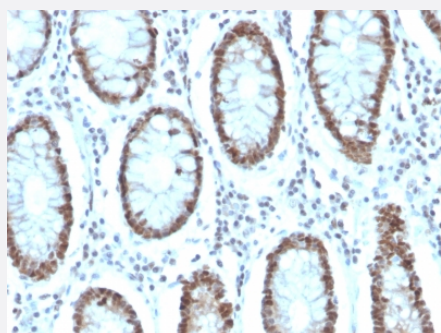
Catalog # MAB21039 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate using MSH6 monoclonal antibody, clone MSH6/3085.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Colon Carcinoma using MSH6 monoclonal antibody, clone MSH6/3085.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human MSH6.
Immunogen	Recombinant protein corresponding to amino acid 374-540 of human MSH6.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2b, kappa

Recommend Usage	Immunohistochemistry (Formalin-fixed) (1-2 ug/mL) Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 2 to 8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate using MSH6 monoclonal antibody, clone MSH6/3085.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Colon Carcinoma using MSH6 monoclonal antibody, clone MSH6/3085.

Gene Info — MSH6

Entrez GeneID	2956
Protein Accession#	P52701
Gene Name	MSH6
Gene Alias	GTBP, HNPCC5, HSAP
Gene Description	mutS homolog 6 (E. coli)
Omim ID	600678
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein similar to the MutS protein. 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 of this gene combines 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 have been identified in individuals with hereditary nonpolyposis colon cancer (HNPCC) and endometrial cancer. [provided by RefSeq]
Other Designations	G/T mismatch-binding protein mutS homolog 6 sperm-associated protein

Pathway

- [Colorectal cancer](#)
- [Mismatch repair](#)
- [Pathways in cancer](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Anticipation](#)
- [Ataxia telangiectasia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosomal Instability](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Disease Progression](#)
- [Duodenal Neoplasms](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Ileal Neoplasms](#)
- [Jejunal Neoplasms](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lynch Syndrome II](#)
- [Malignant melanoma](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)