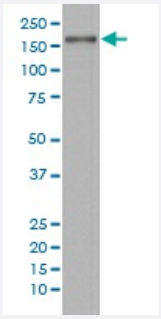
MSH6 monoclonal antibody, clone AEB-13

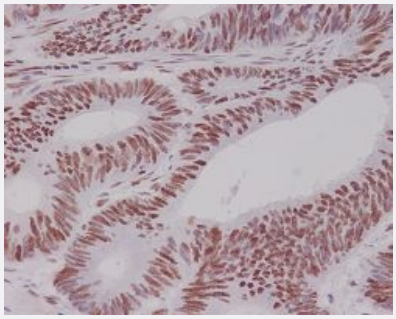
Catalog # MAB20209 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of SW480 cell lysate with MSH6 monoclonal antibody.



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

Immunohistochemical staining of paraffin-embedded human colon with MSH6 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human MSH6.
Immunogen	A synthetic peptide corresponding to human MSH6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of SW480 cell lysate with MSH6 monoclonal antibody.

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

  Immunohistochemical staining of paraffin-embedded human colon with MSH6 monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

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