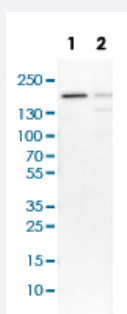


MSH6 polyclonal antibody

Catalog # PAB31052

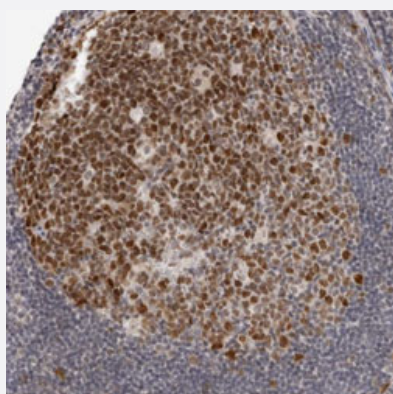
Size 100 uL

Applications



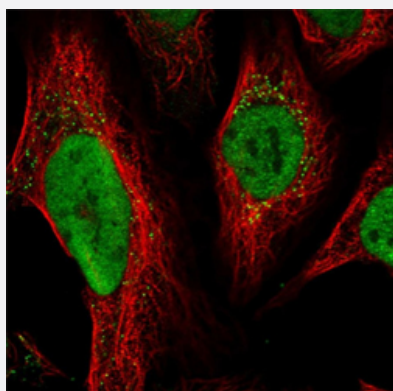
Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



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

Immunohistochemical staining of human lymph node shows strong nuclear positivity in reaction center cells.



Immunofluorescence

Immunofluorescent staining of U-2 OS cell line with antibody shows positivity in vesicles and nucleoplasm (green).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MSH6.
Immunogen	Recombinant protein corresponding to human MSH6.
Sequence	MVENECEDPSQETITFLYKFIKGACPKSYGFNAARLANLPEEVIQKGHRKAREFEKMNQSLRLFRE VCLASERSTV
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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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](#)