Product Name: **MutS Protein Homolog 6(MSH6) Mouse Monoclonal Antibody**
Catalog #: **AMM22031**
For research use only.

Summary

Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

Application

Dilution Ratio	IHC 1:50-100;ELISA 1:500-5000
Molecular Weight	Calculated MW:153kDa,Observed MW:180kDa

Antigen Information

Gene Name	MSH6 GTBP
Alternative Names	
Gene ID	Human:2956
SwissProt ID	Human:P52701
Immunogen	Synthesized peptide derived from human MutS Protein Homolog 6(MSH6) AA range: 900-1000

Background

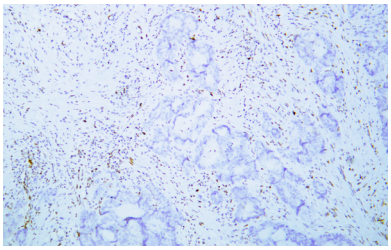
This gene encodes a member of the DNA mismatch repair MutS family. In E. coli, the MutS protein helps in the recognition of mismatched nucleotides prior to their repair. A highly conserved region of approximately 150 aa, called the Walker-A adenine

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],

Research Area

Pathology

Image Data



Human colon adenocarcinoma tissue with loss of MSH6 expression was stained with Anti-MSH6 Antibody