

Recombinant MSH6/GTBP Monoclonal Antibody

catalog number: AN300129P

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

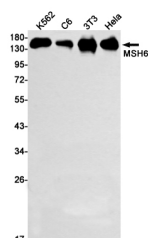
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to the center region of the Human MSH6 / GTBP
Host	Rabbit
Isotype	IgG
Clone	A1243
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB: 1:1000-1:5000; IHC-P: 1:200-1:500; ICC/IF: 1:200-1:500

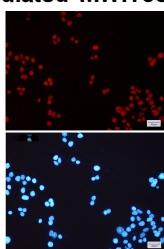
Data



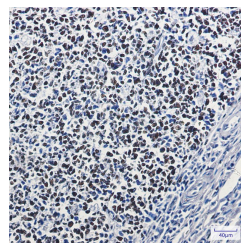
Western blot detection of MSH6 in K562, C6, 3T3, HeLa cell lysates using MSH6 antibody (1:1000 diluted).

Observed-MW: 163 kDa

Calculated-MW: 163 kDa



Immunofluorescent analysis of HeLa cells (green), and DAPI (blue).



Immunohistochemical analysis of paraffin-embedded human tonsil.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

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Rev. V1.4

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]