

Recombinant MSH6/GTBP Monoclonal Antibody

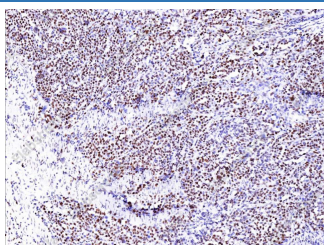
catalog number: AN300129P

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

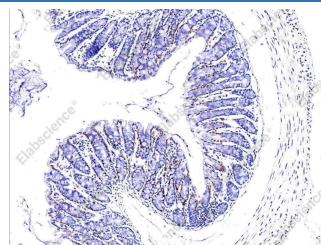
Description	
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to the center region of the Human MSH6 / GTBP
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110091
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

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

Data



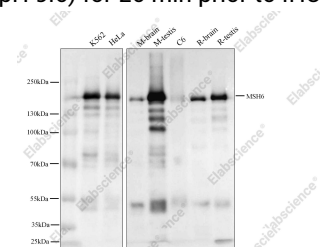
Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue sections using MSH6/GTBP Antibody (AN300129P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Immunohistochemical analysis of paraffin-embedded Mouse colon tissue sections using MSH6/GTBP Antibody (AN300129P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.

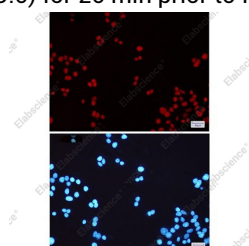


Immunohistochemical analysis of paraffin-embedded Rat colon tissue sections using MSH6/GTBP Antibody (AN300129P) at a dilution of 1:300 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of K562, HeLa, Mouse brain, Mouse testis, C6, Rat brain and Rat testis cell lysates using MSH6/GTBP Antibody (AN300129P) at a dilution of 1:1500.

Observed-MW:163 kDa
Calculated-MW:163 kDa



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Rev. V1.7

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

Preparation & Storage

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

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]

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