

GTBP Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03855
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MSH6. AA range:341-390
Mol wt	152786
Species reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	GTBP Antibody
Synonyms	MSH6; GTBP; DNA mismatch repair protein Msh6; hMSH6; G/T mismatch-binding protein; GTBP; GTMBP; MutS-alpha 160 kDa subunit; p160

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

MSH6 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. DNA mismatch repair protein Msh6 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

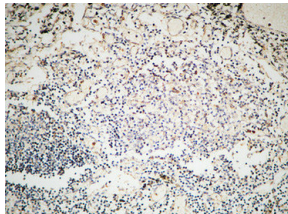
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

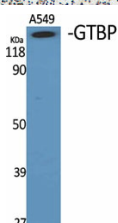
ELISA: 1: 20000

Not yet tested in other applications.

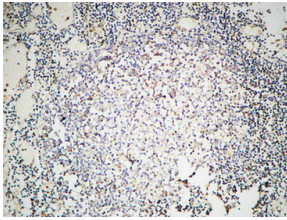
Images



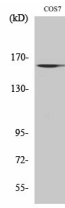
Immunohistochemical analysis of paraffin-embedded Human Lymph gland. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



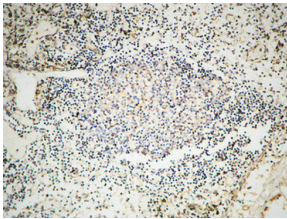
Western Blot analysis of various cells using GTBP Polyclonal Antibody diluted at 1:1000 cells nucleus.



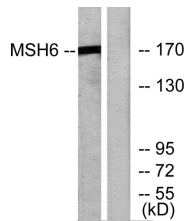
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Western Blot analysis of COS7 cells using GTBP Polyclonal Antibody diluted at 1:1000 cells nucleus.



Immunohistochemical analysis of paraffin-embedded Human Lymph gland. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysates from HUVEC cells, using MSH6 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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