

## Product datasheet for **TA323720**

### MSH6 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1000-2000, WB: 1:200-1000, IHC: 1:10-50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human mutS homolog 6 (E. coli)
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	153 kDa
Gene Name:	mutS homolog 6
Database Link:	<a href="#">NP_000170</a> <a href="#">Entrez Gene 17688 MouseEntrez Gene 100360342 RatEntrez Gene 2956 Human P52701</a>
Background:	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.



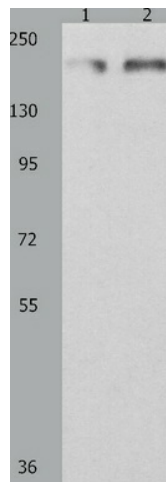
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**Synonyms:** GTBP; GTMBP; HNPCC5; HSAP; p160

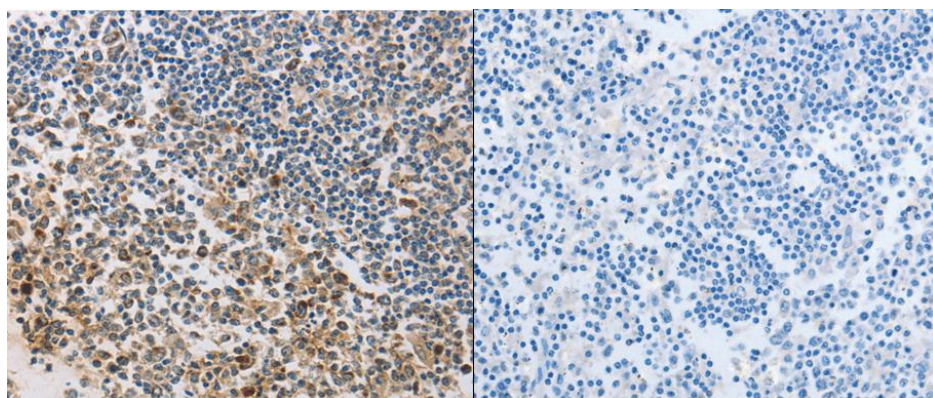
**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Colorectal cancer, Mismatch repair, Pathways in cancer

### Product images:



Predicted band size: 153 kDa. Positive control: HeLa and 293T cell lysate. Recommended dilution: 1/200-1000. (Gel: 8%SDS-PAGE Lane 1: HeLa cell lysate Lane 2: 293T cell lysate Lysates: 40 ug per lane Primary antibody: 1/300 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 45 seconds)



Predicted cell location: Cytoplasm. Positive control: Human tonsil tissue. Recommended dilution: 1/10-50 The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using MSH6 antibody at dilution 1/10, on the right is treated with the fusion protein. (Original magnification: x200)