

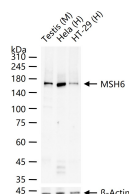
bsm-60220R**[Primary Antibody]****BioSS**
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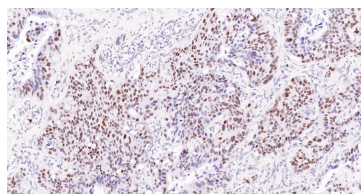
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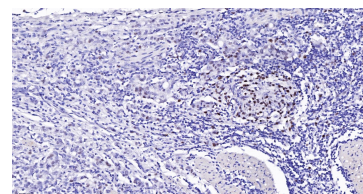
400-901-9800

MSH6 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** M5F6**GeneID:** 2956**SWISS:** P52701**Target:** MSH6**Immunogen:** A synthesized peptide derived from human MSH6: 1-57/1360.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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]**Applications:** WB (1:1000-5000)**IHC-P** (1:200-800)**IHC-F** (1:200-800)**IF** (1:200-800)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 153 kDa**Subcellular Location:** Nucleus**— VALIDATION IMAGES —**

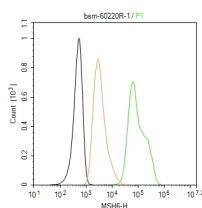
25 ug total protein per lane of various lysates (see on figure) probed with MSH6 monoclonal antibody, unconjugated (bsm-60220R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MSH6 Monoclonal Antibody, Unconjugated (bsm-60220R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MSH6 Monoclonal Antibody, Unconjugated (bsm-60220R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

40 min at room temperature. Primary Antibody
(green): Rabbit Anti-MSH6 antibody
(bsm-60220R), 1 μ g/Test; Isotype Control
(orange): Rabbit IgG (bs-0295P). Blank control
(black): PBS. Acquisition of 20,000 events was
performed.