

## Recombinant MSH6 (DNA Mismatch Repair Protein) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-906R]

Catalog No	Format	Size
2956-RBM25-P0	Purified Ab with BSA and Azide	20 ug
2956-RBM25-P1	Purified Ab with BSA and Azide	100 ug

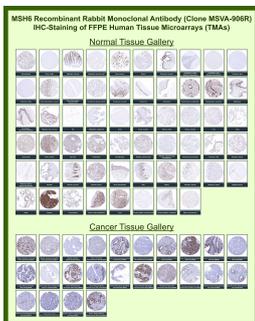
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:75-1:150	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:100 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

### Product Details

<b>Clone</b>	MSVA-906R
<b>Immunogen</b>	Recombinant fragment (around aa 1-100) of human MSH6 protein (exact sequence is proprietary)
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	153kDa
<b>Cellular Localization</b>	Chromosome, Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Tonsil: Virtually all mantle zone B-cells must show an at least weak to moderate nuclear staining. A moderate to strong nuclear staining must be seen in the germinal centre B-cells.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant MSH6 (DNA Mismatch Repair Protein) Antibody



DNA mismatch repair protein Msh6 Rabbit Recombinant Monoclonal Antibody (MSVA-906R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

### Specificity & Comments

MSH6 is a mismatch repair protein which is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been suggested that the deficiencies in DNA mismatch repair protein(s) can be seen in some malignancies such as hereditary nonpolyposis colorectal cancer (HNPCC) and endometrial cancer. MSH6 expressed in all proliferating cells participate in repair of base-base mismatch, that occur during DNA replication. Loss of MSH6 expression leads to an accumulation of DNA replication errors in the proliferating cells, particularly in areas of the genome with short repetitive nucleotide sequences, a phenomenon known as microsatellite instability (MSI). MSH6 always used as panel with MLH1, MSH2, PMS2, and may be useful to aid in identifying the most probable gene responsible for the MSI.

### Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Colon Cancer, Infectious Disease, Nuclear Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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