

Recombinant MSH6 (DNA Mismatch Repair Protein) Antibody

Rabbit Monoclonal Antibody [Clone MSH6/13194R]

Catalog No	Format	Size
2956-RBM24-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2956-RBM24-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2956-RBM24-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

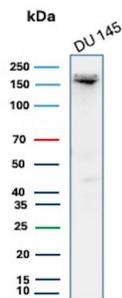
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

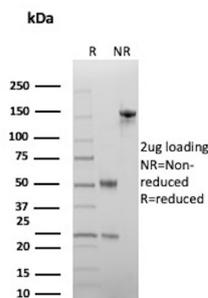
Clone	MSH6/13194R
Gene Name	MSH6
Immunogen	Recombinant fragment (around aa 1-200) of human MSH6 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	163kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	DU 145, Human colon carcinoma or tonsil.

*Optimal dilution for a specific application should be determined.

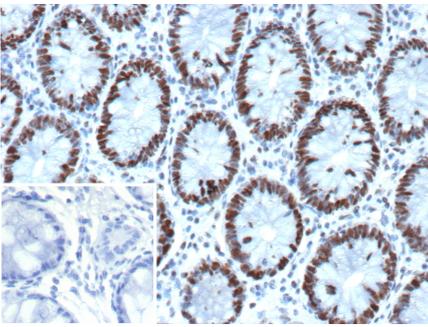
Product Images for Recombinant MSH6 (DNA Mismatch Repair Protein) Antibody



Western Blot Analysis of DU 145 lysate using MSH6 Recombinant Rabbit Monoclonal Antibody (MSH6/13194R).



SDS-PAGE Analysis of Purified DNA mismatch repair protein Msh6 Recombinant Rabbit Monoclonal Antibody (MSH6/13194R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human colon stained with MSH6 Recombinant Rabbit Monoclonal Antibody (MSH6/13194R). Inset: PBS instead of primary antibody; secondary only negative control.

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.

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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
