Recombinant MSH6 (DNA Mismatch Repair Protein) Antibody

Mouse Monoclonal Antibody [Clone rMSH6/8106]

Catalog No	Format	Size
2956-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2956-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2956-MSM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

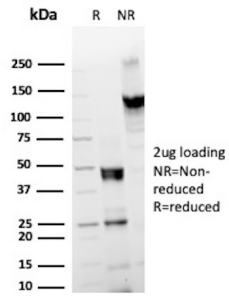
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	rMSH6/8106
Gene Name	MSH6
Immunogen	Recombinant fragment of human MSH6 protein (around aa 1-200) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	163kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Human colon carcinoma (IHC).

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

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



SDS-PAGE Analysis of Purified DNA mismatch repair protein Msh6 Recombinant Mouse Monoclonal Antibody (rMSH6/8106). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

The finding that mutations in DNA mismatch repair genes are associated with hereditary nonpolyposis colorectal cancer (HNPCC) has resulted in considerable interest in the understanding of the mechanism of DNA mismatch repair. Initially, inherited mutations in the MSH2 and MLH1 homologs of the bacterial DNA mismatch repair genes mutS and mutL were demonstrated at high frequency in HNPCC and were shown to be associated with microsatellite instability. A member of the mismatch repair family, GTBP (also designated MSH6), is an MSH2-related protein that binds to DNA containing G/T mismatches. Findings suggest that the mismatch-binding factor in human cells is composed of a heterodimer of GTBP and MSH2.

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

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.