

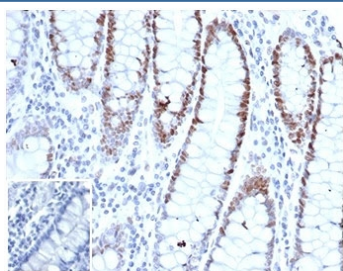
## Recombinant MSH6 Antibody [clone rMSH6/6846] (V9141)

Catalog No.	Formulation	Size
V9141-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9141-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9141SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

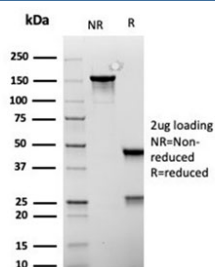
Recombinant **MOUSE MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rMSH6/6846
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P52701
<b>Localization</b>	Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This recombinant MSH6 antibody is available for research use only.



IHC staining of FFPE human small intestine tissue with recombinant MSH6 antibody (clone rMSH6/6846). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant MSH6 antibody (clone rMSH6/6846) as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the recombinant MSH6 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 374-540 was used as the immunogen for the recombinant MSH6 antibody.

## Storage

Aliquot the recombinant MSH6 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.