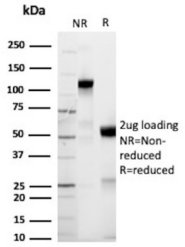
MSH6 Antibody [clone MSH6/6805] (V4884)

Catalog No.	Formulation	Size
V4884-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4884-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4884SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MSH6/6805
Purity	Protein A/G affinity
UniProt	P52701
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This MSH6 antibody is available for research use only.



MSH6 Antibody MSH6/6805 Purity Analysis by SDS-PAGE. Electrophoretic analysis of purified MSH6 Antibody, clone MSH6/6805, under non-reducing (NR) and reducing (R) conditions with 2 ug of antibody loaded per lane. The non-reduced sample shows the intact antibody at approximately 110-120 kDa, while the reduced sample shows the antibody heavy chain at approximately 50 kDa. This analysis confirms the purity and integrity of the MSH6 Antibody preparation.

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.

For a protein microarray-validated reagent and additional information on mismatch repair and genomic stability, visit our MSH6 Antibody / DNA Mismatch Repair Protein Antibody page.

Application Notes

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

Immunogen

A recombinant fragment of human MSH6 protein (within amino acids 300-600) was used as the immunogen for the MSH6 antibody.

Storage

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

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