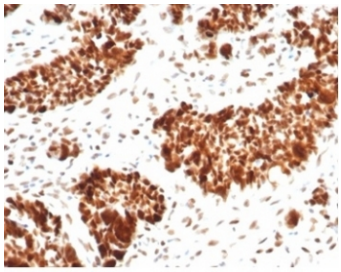
Recombinant MSH6 Antibody [clone MSH6/7065R] (V9466)

Catalog No.	Formulation	Size
V9466-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9466-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9466SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

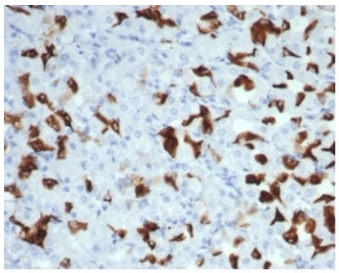
Recombinant RABBIT MONOCLONAL

Bulk quote request

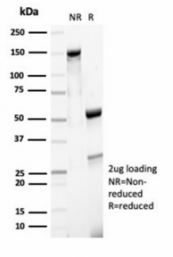
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	MSH6/7065R
Purity	Protein A/G affinity
UniProt	P52701
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This recombinant MSH6 antibody is available for research use only.



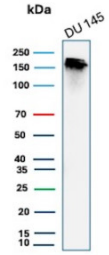
IHC staining of FFPE human ovarian carcinoma tissue with recombinant MSH6 antibody (clone MSH6/7065R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human salivary gland tissue with recombinant MSH6 antibody (clone MSH6/7065R). 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 MSH6/7065R) as confirmation of integrity and purity.



Recombinant MSH6 Antibody MSH6/7065R in Human DU145 Prostate Cancer Cells WB. Western blot testing of Recombinant MSH6 Antibody, clone MSH6/7065R, in human DU145 prostate cancer cell lysate. A prominent band is detected at approximately 160 kDa, consistent with the predicted molecular weight of MSH6. This Recombinant MSH6 Antibody demonstrates detection of the DNA mismatch repair protein in human prostate cancer cells.

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 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 -20oC or colder. Avoid repeated freeze-thaw cycles.

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