

## MSH6 Antibody

Catalog No: #48563



Package Size: #48563-1 50ul #48563-2 100ul

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## Description

Product Name	MSH6 Antibody
Host Species	Rabbit
Clonality	Monoclonal
Purification	Affinity-chromatography
Applications	WB IHC CC/IF
Species Reactivity	Hu Ms Rt
Immunogen Description	peptide
Other Names	DNA mismatch repair protein Msh6 antibody G/T mismatch binding protein antibody G/T mismatch-binding protein antibody GTBP antibody GTMBP antibody hMSH6 antibody HNPCC 5 antibody HNPCC5 antibody HSAP antibody MSH 6 antibody MSH6 antibody MSH6_HUMAN antibody mutS (E. coli) homolog 6 antibody MutS alpha 160 kDa subunit antibody MutS homolog 6 (E. coli) antibody mutS homolog 6 antibody MutS-alpha 160 kDa subunit antibody p160 antibody Sperm associated protein antibody
Accession No.	Swiss-Prot#:P52701
Calculated MW	Calculated Mol Weight 153 kDa Observed Mol Weight 163 kDa
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

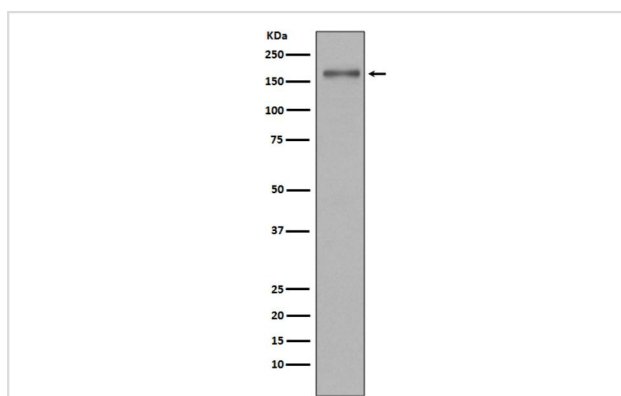
## Application Details

WB 1:1000-1:2000

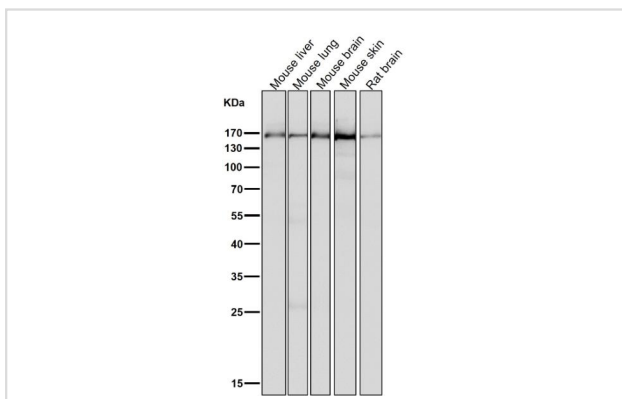
IHC 1:100-1:200

ICC/IF 1:50-1:200

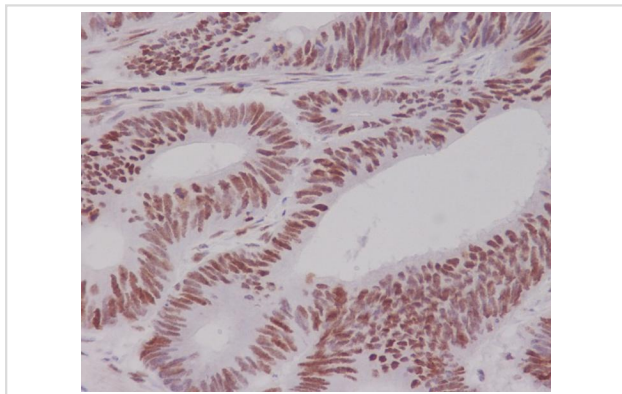
## Images



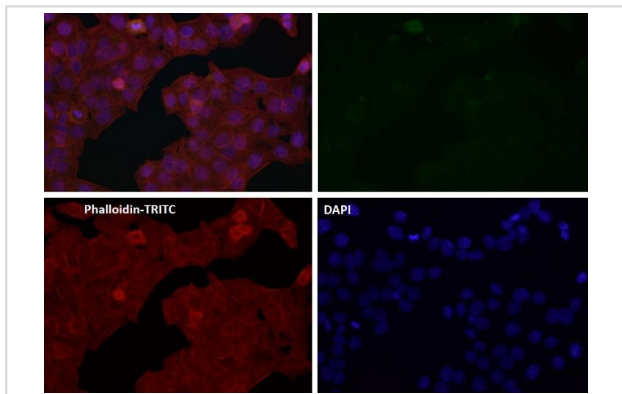
Western blot analysis of MSH6 in SW480 cell lysate.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using MSH6 Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.(HELA)

## Background

Component of the post-replicative DNA mismatch repair system (MMR). Heterodimerizes with MSH2 to form MutS alpha, which binds to DNA mismatches thereby initiating DNA repair. When bound, MutS alpha bends the DNA helix and shields approximately 20 base pairs, and recognizes single base mismatches and dinucleotide insertion-deletion loops (IDL) in the DNA.

## References

1. "GTBP, a 160-kilodalton protein essential for mismatch-binding activity in human cells"; Palombo F., Gallinari P., Iaccarino I., Lettieri T., Hughes M., D'Arrigo A., Truong O., Hsuan J.J., Jiricny J. *Science* 268:1912-1914(1995)
2. "MSH6 missense mutations are often associated with no or low cancer susceptibility"; Kariola R., Hampel H., Frankel W.L., Ravaara T.E., de la Chapelle A., Nystroem-Lahti M. *Br. J. Cancer* 91:1287-1292(2004)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.