

**NB110-59929****MSH6 Antibody (44)****Unit Size**

6.0 ml

**Concentration**

Please see the vial label for concentration.

**Storage**

Store at 4C. Do not freeze.

**Applications**

IHC, IHC-Fr, IHC-P

**Species**

Human, Mouse, Rat, Canine

**Host**

Mouse

**Clonality**

Monoclonal

**Isotype**

IgG1

**Purity**

Protein G purified

**Preservative**

Sodium Azide

**Specificity/Sensitivity**

MSH6 is a heterodimer of MSH2 and binds to DNA containing G/T mismatches. The MSH2-MSH6 complex recognizes a single-based mispair insertion/deletion loop. An alteration of microsatellite repeats is the result of slippage owing to strand misalignment during DNA replication and is referred to as microsatellite instability (MSI). These defects in DNA repair pathways have been related to human carcinogenesis. Studies have shown the mutation of MLH-1, MSH2 and MSH6 genes contribute to the development of sporadic colorectal carcinoma. Repair of mismatch DNA is essential to maintain the integrity of genetic information over time. This antibody cross reacts with mouse, rat, and dog.

**Immunogen**

Synthetic human MSH6 peptide.

**Recommended Dilutions**

Immunohistochemistry

Immunohistochemistry-Frozen

Immunohistochemistry-Paraffin Neat

**Buffer**

PBS, BSA, 6M Urea. pH 7.5 - Prediluted antibody

**Uses**

For IHC: Heat induced epitope retrieval (1 mM EDTA pH 8.0) is recommended.

**Images**Immunohistochemistry-Paraffin: MSH6 Antibody (44)  
[NB110-59929]**Notes**

This product has a prediluted size available. If a 6mL or 7mL pre-diluted size is purchased this product can be used Neat (without further dilution). Use recommended dilution for the concentrated vials only.

Updated 3/9/2013 2.0

**Limitations:** This product is for research use only and is not approved for use in humans or in clinical diagnosis. Products are guaranteed for six months from the date of receipt except for peptides and proteins which are guaranteed for 3 months. **For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

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