

MSH6 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50003

Clone# BP6007

Predicted Molecular Wt: 153kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P52701

Background:

MSH6 is a mismatch repair protein which is deficient in a high proportion of patients with microsatellite instability (MSI-H). It has been suggested that the deficiencies in DNA mismatch repair protein(s) can be seen in some malignancies such as hereditary nonpolyposis colorectal cancer (HNPCC) and endometrial cancer.

MSH6 expressed in all proliferating cells participate in repair of base-base mismatch, that occur during DNA replication. Loss of MSH6 expression leads to an accumulation of DNA replication errors in the proliferating cells, particularly in areas of the genome with short repetitive nucleotide sequences, a phenomenon known as microsatellite instability (MSI).

MSH6 always used as panel with MLH1, MSH2, PMS2, and may be useful to aid in identifying the most probable gene responsible for the MSI.

Subcellular location:

Nucleus

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Synthetic peptide corresponding to MSH6 residues within aa1-100 of MSH6 was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-25°C to -18°C

Storage instructions:

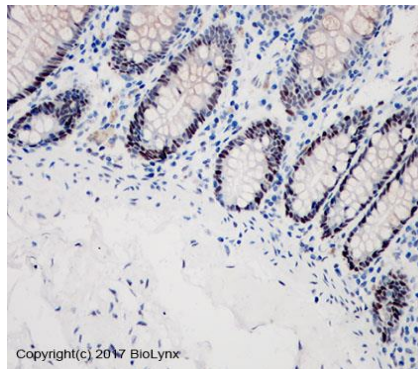
Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

- Blackwell LJ., et al. J Biol Chem. 1998 Nov 27;273(48):32055-62.
- Iaccarino I., et al. EMBO J. 1998 May 1;17(9):2677-86.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling MSH6 with BP6007. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.