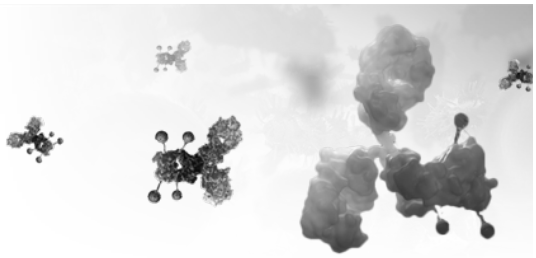

Rabbit Anti-MSH6 monoclonal antibody, clone TQ09-13 (CABT-L603)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	MSH6
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TQ09-13
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	153 kDa
Cellular Localization	Nucleus, Chromosome.
Positive Control	A431, A549, SW480, HepG2, human tonsil tissue, mouse testis tissue, mouse liver tissue, mouse colon tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

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Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Multiple pathways promote short-sequence recombination (SSR) in Saccharomyces cerevisiae. When gene conversion is initiated by a double-strand break (DSB), any nonhomologous DNA that may be present at the ends must be removed before new DNA synthesis can be initiated. Removal of a 3' nonhomologous tail in S. cerevisiae depends on the nucleotide excision repair endonuclease Rad1/Rad10 and also on the mismatch repair proteins Msh2 and Msh3. Msh2 and Msh3, which function in mitotic recombination, recognize not only heteroduplex loops and mismatched basepairs, but also branched DNA structures with a free 3' tail. Msh2 and Msh6 form a protein complex required to repair mismatches generated during DNA replication. Yeast Msh2-Msh6 interact asymmetrically with the DNA through base-specific stacking and hydrogen bonding interactions and backbone contacts. The importance of these contacts decreases with increasing distance from the mismatch, implying that interactions at or near the mismatch are important for binding in a kinked DNA conformation.
Keywords	DNA mismatch repair protein Msh6;G/T mismatch binding protein;G/T mismatch-binding protein;GTBP;GTMBP;hMSH6;HNPCC 5;HNPCC5;HSAP;MSH 6;MSH6;MSH6_HUMAN;mutS (E. coli) homolog 6;MutS alpha 160 kDa subunit;MutS homolog 6 (E. coli);mutS homolog 6;MutS-alpha 160 kDa subunit;p160;Sperm associated protein antibody

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