MSH6 polyclonal antibody

Catalog: BS90881 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

153 kDa

Swiss-Prot:

P52701(Human) P54276(Mouse) EntrezGene:100360342(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:5,000

ICC:1:50-1:200

IHC:1:50-1:200

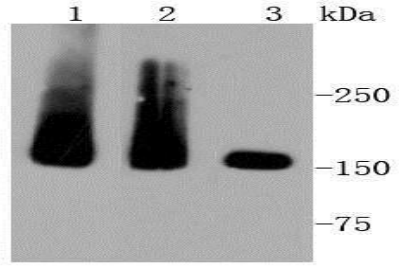
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

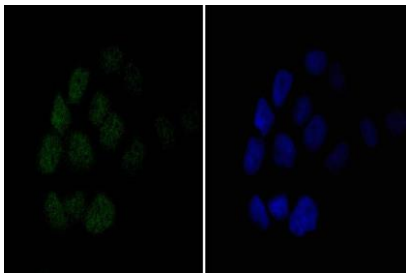
Specificity:

MSH6 polyclonal antibody detects endogenous levels of MSH6 protein.

DATA:



Western blot analysis of MSH6 on different lysates using anti-MSH6 antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2 Lane 2: SW480 Lane 3: A549



ICC staining MSH6 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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