



MUTYHPolyclonal Antibody

E91612

Catalog Number: E91612**Amount:** 100ul

Background: Base excision repair (BER) proteins catalyze the removal of incorrect or damaged bases, including oxidized bases, from DNA. N-glycosylases specific to a given lesion remove the incorrect base as the first step in BER. MYH is the mammalian ortholog of E. coli MutY, a DNA glycosylase that catalyzes the removal of 8-oxoG:A mismatches (1). Several MYH isoforms have been detected in human cells localizing to either the nucleus or the mitochondria (2). MYH interacts with DNA repair proteins and localizes to DNA damage foci after oxidative damage (3). Research studies have shown that mutations in the corresponding MYH gene are associated with human gastric (4) and colorectal (5-7) cancers.

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

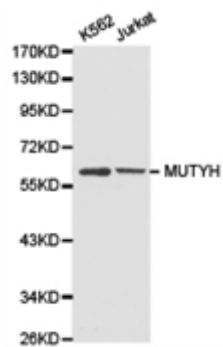
Synonyms: MGC4416; MYH;**Immunogen:** Recombinant protein of human MUTYH**Purification:** Affinity purification**Reactivity:** H M R**Applications:** WB IHC**Molecular Weight:** 60kDa**Swiss-Prot No. :** Q9UIF7**Gene ID:** 4595

References: 1. Slupska, M.M. et al. (1996) J Bacteriol 178, 3885-92. 2. Ohtsubo, T. et al. (2000) Nucleic Acids Res 28, 1355-64. 3. Shi, G. et al. (2006) Biochem J 400, 53-62. 4. Kobayashi, K. et al. (2008) Anticancer Res 28, 215-21. 5. Bai, H. et al. (2007) Cancer Lett 250, 74-81. 6. Pope, M.A. et al. (2005) DNA Repair (Amst) 4, 315-25. 7. Wooden, S.H. et al. (2004) Cancer Lett 205, 89-95.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various cell lines,
using MUTYH antibody.

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