

## MUTYH

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**60kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human MUTYH

**Storage Buffer:**

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

**Concentration:**

ef

**Synonym:**

MGC4416; MYH;

**Catalog #:**A1612

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**4595

**Isotype:**IgG

**Swiss Prot:**Q9UIF7

**Purity:**Affinity purification

For research use only.

**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.

*To place an order, please [Click HERE](#).*