

# MUTYH Polyclonal antibody

Catalog Number: 15237-1-AP

## Basic Information

**Catalog Number:**

15237-1-AP

**Size:**

150ul , Concentration: 500 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7359

**GenBank Accession Number:**

BC003178

**GeneID (NCBI):**

4595

**UNIPROT ID:**

Q9UIF7

**Full Name:**

mutY homolog (E. coli)

**Calculated MW:**

60 kDa

**Observed MW:**

53 kDa, 65 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : K-562 cells, HeLa cells, Raji cells

## Background Information

MUTYH (MutY homolog) is also named as MYH and belongs to the Nth/MutY family. The gene encodes an A/G-specific adenine DNA glycosylase that is involved in oxidative DNA damage repair and initiates repair of A\*oxoG to C\*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities (PMID:10684930). Defects in MUTYH are a cause of familial adenomatous polyposis type 2 (FAP2) and gastric cancer (GASC). It has 6 isoforms produced by alternative splicing with the molecular weight between 57 kDa and 60 kDa.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

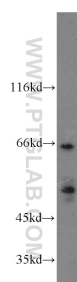
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 15237-1-AP (MUTYH antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.