

MUTYH Polyclonal antibody

Catalog Number: 15237-1-AP

Basic Information

Catalog Number:

15237-1-AP

Size:

500 µg/ml

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:

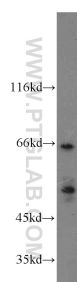
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

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.