

For Research Use Only

MUTYH Polyclonal antibody

Catalog Number: 15237-1-AP



Basic Information

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| Catalog Number: 15237-1-AP | GenBank Accession Number: BC003178 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 500 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 4595 | Recommended Dilutions: WB 1:500-1:1000 |
| Source: Rabbit | Full Name: mutY homolog (E. coli) | |
| Isotype: IgG | Calculated MW: 60 kDa | |
| Immunogen Catalog Number: AG7359 | Observed MW: 53 kDa, 65 kDa | |

Applications

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| Tested Applications: WB,ELISA | Positive Controls: WB : K-562 cells, HeLa cells, Raji cells |
| Species Specificity: human, mouse, rat | |

Background Information

MUTYH(MutY homolog) is also named as MYH and belongs to the Nth/MutY family. The gene encode an A/G-specific adenine DNA glycosylase that it 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

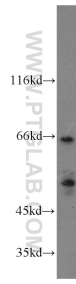
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:
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.