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# Anti-MUTYH Antibody

Rabbit polyclonal antibody to MUTYH
Catalog # AP60033

## Product Information

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|---|---|
| **Application** | WB, IF/IC, IHC |
| **Primary Accession** | Q9UIF7 |
| **Other Accession** | Q99P21 |
| **Reactivity** | Human, Mouse, Rat, Monkey |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 60069 |

## Additional Information

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|---|---|
| **Gene ID** | 4595 |
| **Other Names** | MYH; A/G-specific adenine DNA glycosylase; MutY homolog; hMYH |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MUTYH. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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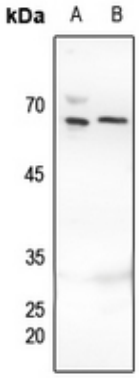
|---|---|
| **Name** | MUTYH |
| **Synonyms** | MYH |
| **Function** | Involved in oxidative DNA damage repair. Initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities. |
| **Cellular Location** | Nucleus. Mitochondrion {ECO:0000250\|UniProtKB:Q99P21} |

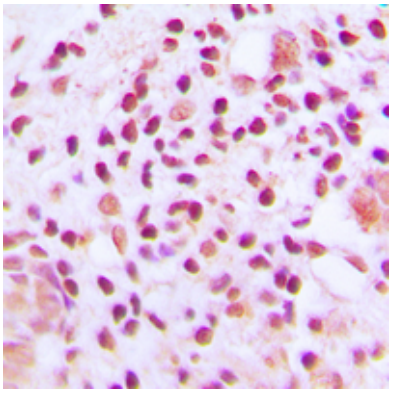
## Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MUTYH. The exact sequence is proprietary.

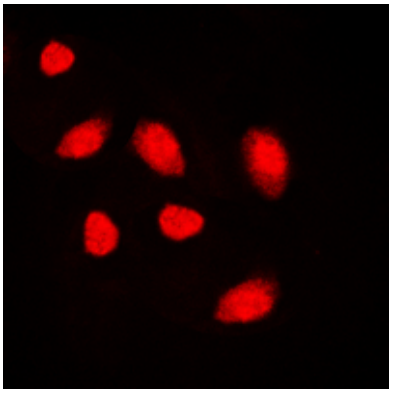
## Images




Western blot analysis of MUTYH expression in Hela (A), LOVO (B) whole cell lysates.



Immunohistochemical analysis of MUTYH staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MUTYH staining in K562 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.