

Anti-MUTYH Antibody

Rabbit polyclonal antibody to MUTYH Catalog # AP60033

Specification

Anti-MUTYH Antibody - Product Information

Application WB, IF/IC, IHC Primary Accession O9UIF7

Other Accession

Reactivity

Q99P21

Human, Mouse, Rat, Monkey

Host Rabbit Clonality Polyclonal

Calculated MW 60069

Anti-MUTYH Antibody - Additional Information

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), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~1:100~500

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

Anti-MUTYH Antibody - Protein Information

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

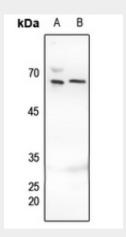
Nucleus. Mitochondrion {ECO:0000250|UniProtKB:Q99P21}

Anti-MUTYH Antibody - Protocols

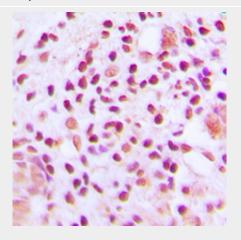
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-MUTYH Antibody - Images

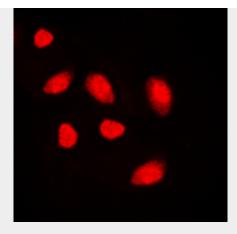


Western blot analysis of MUTYH expression in Hela (A), LOVO (B) whole cell lysates.



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.

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