

MUTYH Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9161c**Specification**

MUTYH Antibody (Center) - Product Information

Application	IF, FC, WB,E
Primary Accession	Q9UIF7
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	60069
Antigen Region	341-367

MUTYH Antibody (Center) - Additional Information**Gene ID** 4595**Other Names**

A/G-specific adenine DNA glycosylase, 322-, MutY homolog, hMYH, MUTYH, MYH

Target/Specificity

This MUTYH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-367 amino acids from the Central region of human MUTYH.

Dilution

IF~~1:10~50
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MUTYH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MUTYH Antibody (Center) - 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.

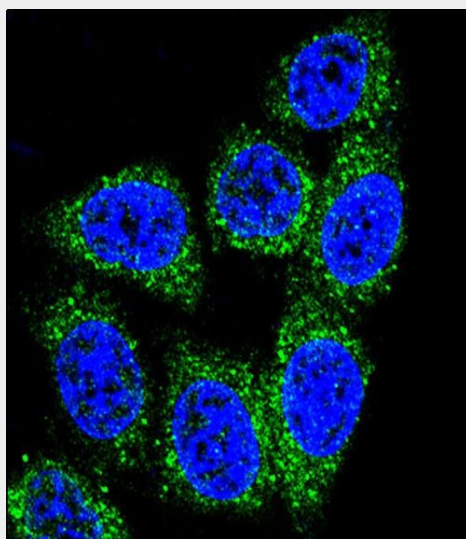
Cellular Location

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

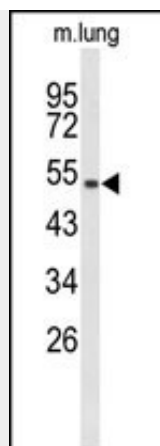
MUTYH Antibody (Center) - Protocols

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

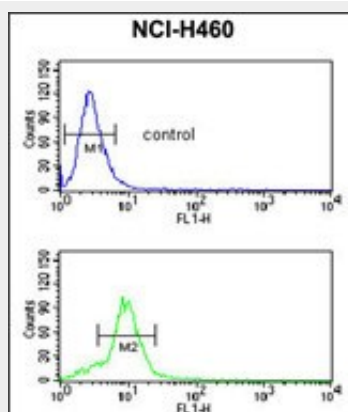
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MUTYH Antibody (Center) - Images

Confocal immunofluorescent analysis of MUTYH Antibody (Center) (Cat. #AP9161c) with HeLa cells followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of MUTYH Antibody (Center) (Cat. #AP9161c) in mouse lung tissue lysates (35ug/lane). MUTYH (arrow) was detected using the purified Pab.



MUTYH Antibody (Center) (Cat. #AP9161c) flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MUTYH Antibody (Center) - Background

MYH is the eukaryotic homolog to the E. coli protein MutY. It was first identified in HeLa cells and nicks DNA replication errors, specifically A/G mismatches. MYH is involved in oxidative DNA damage repair. It initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. It possesses both adenine and 2-OH-A DNA glycosylase activities.

MUTYH Antibody (Center) - References

Kim C.J., et.al., *Oncogene* 23:6820-6822(2004).
Isidro G., et.al., *Hum. Mutat.* 24:353-354(2004).
Sieber O.M., et.al., *N. Engl. J. Med.* 348:791-799(2003).