

Rabbit anti-Human, mouse MUTYH Polyclonal Antibody | anti-MUTYH antibody

MUTYH Antibody (Center)

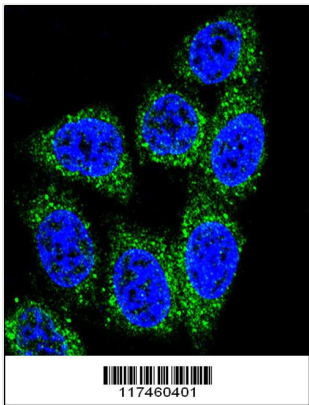
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285272	Rabbit	Human, mouse	Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

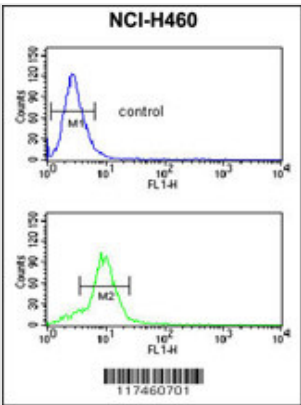
MUTYH; Polyclonal Antibody; MUTYH Antibody (Center); A/G-specific adenine DNA glycosylase; 322-; MutY homolog; hMYH; MYH; anti-MUTYH antibody

PRODUCT SPECIFICATIONS

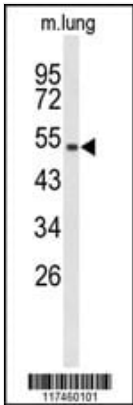
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MUTYH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 341-367 amino acids from the Central region of human MUTYH.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	341-367
Sequence Length	521
Applicable Applications for anti-MUTYH antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



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



FCM/FACS (Flow Cytometry)
MUTYH Antibody (Center) 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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-MUTYH antibody	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.
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298648
NCBI GeneID	4595
NCBI Accession #	NP_001041636.1; NP_001041637.1; NP_001041638.1; NP_001041639.1; NP_001121897.1; NP_036354.1
NCBI GenBank Nucleotide #	NM_001048171.1
UniProt Accession #	Q9UIF7; Q15830; Q9UBP2; Q9UBS7; Q9UIF4; Q9UIF5; Q9UIF6; D3DPZ4
Molecular Weight	60069
NCBI Official Full Name	A/G-specific adenine DNA glycosylase isoform 2

NCBI Official Synonym Full Names	mutY DNA glycosylase
NCBI Official Symbol	MUTYH
NCBI Official Synonym Symbols	MYH
NCBI Protein Information	A/G-specific adenine DNA glycosylase
UniProt Protein Name	A/G-specific adenine DNA glycosylase
UniProt Gene Name	MUTYH
UniProt Synonym Gene Names	MYH; hMYH
UniProt Entry Name	MUTYH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mutyh-antibody-immunofluorescence-flow-cytometry-western-blot-elisa/285272>