

Datasheet for ABIN653106
anti-MUTYH antibody (AA 341-367)

3 Images

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Overview

Quantity:	400 µL
Target:	MUTYH
Binding Specificity:	AA 341-367
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUTYH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	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.
Clone:	RB17460
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MUTYH
Alternative Name:	MUTYH (MUTYH Products)

Target Details

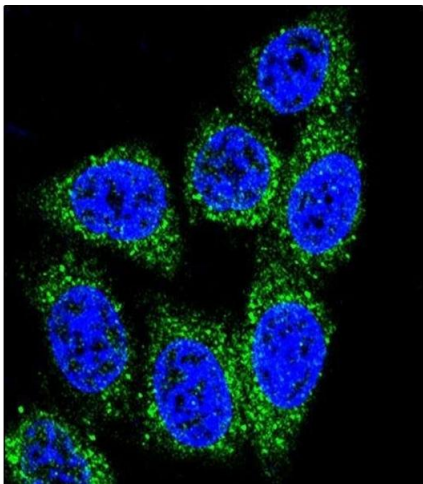
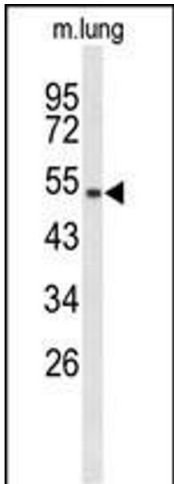
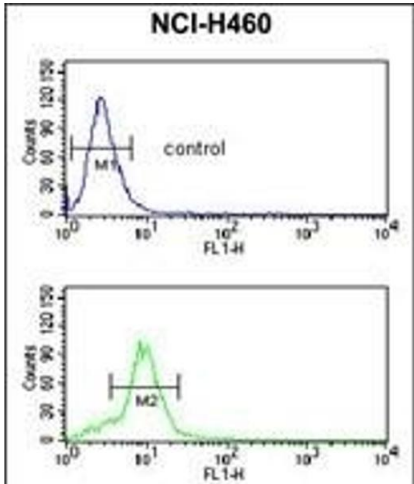
Background:	MYH is the eukaryotic homolog to the E. coli protein MutY. It was first identified in HeLa cells and nicks DNA replication errors, specifically A/G mismatches. MYH is involved in oxidative DNA damage repair. It initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. It possesses both adenine and 2-OH-A DNA glycosylase activities.
Molecular Weight:	60069
Gene ID:	4595
NCBI Accession:	NP_001041636 , NP_001041637 , NP_001041638 , NP_001041639 , NP_001121897 , NP_036354
UniProt:	Q9UIF7
Pathways:	DNA Damage Repair

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Flow Cytometry

Image 1. MUTYH Antibody (Center) (ABIN653106 and ABIN2842694) flow cytometric analysis of NCI- cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of MUTYH Antibody (Center) (ABIN653106 and ABIN2842694) in mouse lung tissue lysates (35 µg/lane). MUTYH (arrow) was detected using the purified Pab.

Immunofluorescence

Image 3. Confocal immunofluorescent analysis of MUTYH Antibody (Center) (ABIN653106 and ABIN2842694) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).