

MUTYH Ab

[References\(1\)](#) [Images\(3\)](#)

Cat.#: DF6500	Concn.: ~1mg/ml	Mol.Wt.: 60kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
*The optimal dilutions should be determined by the end user.

Reactivity: Human,Mouse,Rat

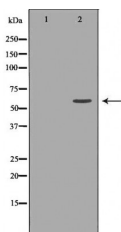
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

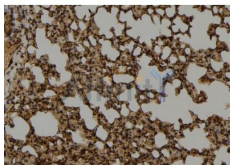
Immunogen: A synthesized peptide derived from human MUTYH, corresponding to a region within the internal amino acids.

Uniprot: Q9UIF7

Description: Base excision repair (BER) proteins catalyze the removal of incorrect or damaged bases, including oxidized bases, from DNA. N-glycosylases specific to a given lesion remove the incorrect base as the first step in BER. MYH is the mammalian ortholog of E. coli MutY, a DNA glycosylase that catalyzes the removal of 8-oxoG:A mismatches . Several MYH isoforms have been detected in human cells localizing to either the nucleus or the mitochondria . MYH interacts with DNA repair proteins and localizes to DNA damage foci after oxidative damage . Research studies have shown that mutations in the corresponding MYH gene are associated with human gastric and colorectal (5-7) cancers.



Western blot analysis of HeLa whole cell lysates, using MUTYH Ab. The lane on the left was treated with the antigen-specific peptide.



DF6500 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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