# Anti-MUTYH Rabbit Polyclonal Antibody

# Catalog #: 51133

## Aliases

MYH; A/G-specific adenine DNA glycosylase; MutY homolog; hMYH

## Background

Gene Name: MUTYH
NCBI Gene Entry: 4595
UniProt Entry: Q9UIF7

## Application Information

Molecular Weight: Predicted, 60 kDa; observed, 60 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat, monkey
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human MUTYH

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:100-1:200
Immunocytochemistry (IC): 1:100-1:500

**Note:** This product is for research use only.
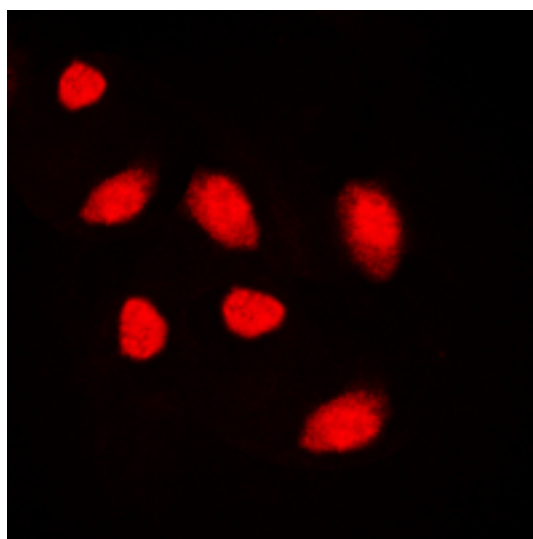
## Validation Data

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Immunocytochemical 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.
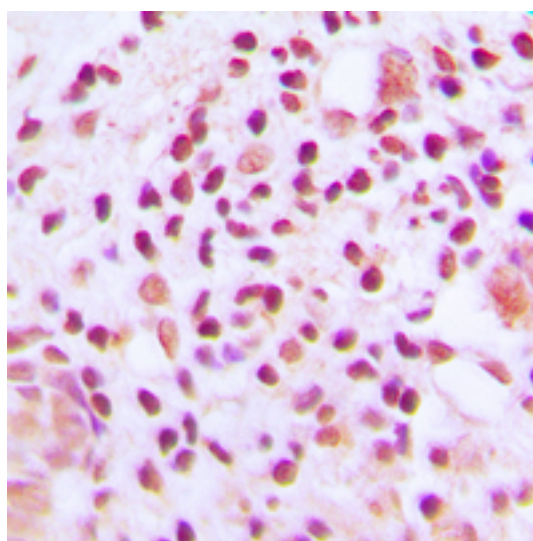


Immunohistochemical analysis of MUTYH staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.
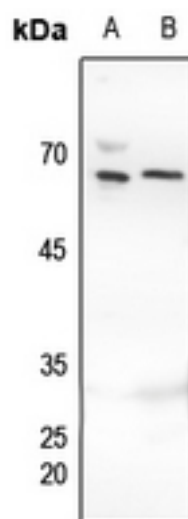
Western blotting analysis of MUTYH expression in Hela (A), LOVO (B) whole cell lysates.