



Datasheet for ABIN3022243
anti-MUTYH antibody



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2 Images

Overview

Quantity:	100 µL
Target:	MUTYH
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MUTYH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human MUTYH
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	MUTYH
Alternative Name:	MUTYH (MUTYH Products)
Background:	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

Target Details

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 cancers.
Synonyms: MGC4416, MYH

Gene ID: 4595

UniProt: [Q9UIF7](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Recommended dilutions: WB: 1:500-1:2000, IHC: 1:50-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

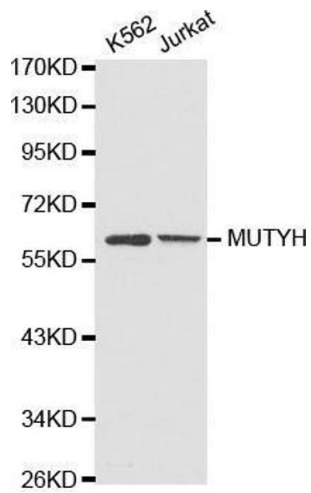
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

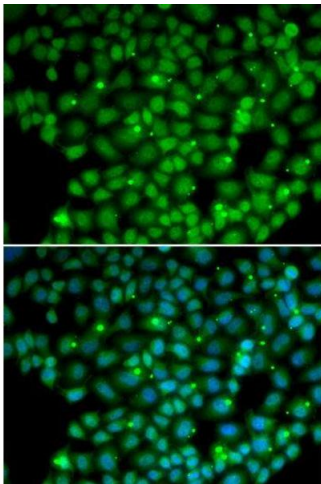
Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C/-80 °C



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MUTYH antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cell using MUTYH antibody. Blue: DAPI for nuclear staining.