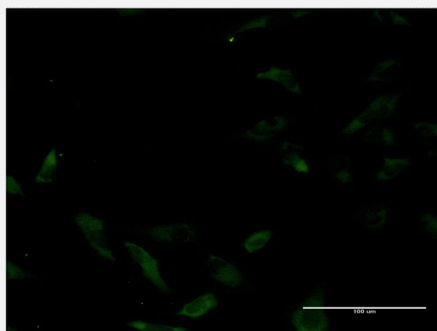


MUTYH monoclonal antibody (M02), clone 1C8

Catalog # H00004595-M02

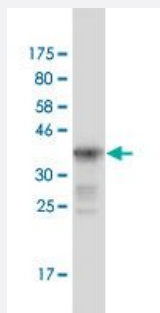
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to MUTYH on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MUTYH.

Immunogen

MUTYH (AAH03178, 436 a.a. ~ 535 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

KLTYQVYGLALEGQTPVTTVPPGARWLTQEEFHTAAVSTAMKKVFRVYQGQQPGTCMGSKRSQ
VSSPCSRKKPRMGQQVLDNFFRSHISTDAHSLNSAAQ

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (70)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to MUTYH on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — MUTYH

Entrez GeneID	4595
GeneBank Accession#	BC003178
Protein Accession#	AAH03178
Gene Name	MUTYH
Gene Alias	MGC4416, MYH
Gene Description	mutY homolog (E. coli)
Omim ID	132600 137215 604933 608456
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. Mutations in this gene result in heritable predisposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

A/G-specific adenine DNA glycosylase|OTTHUMP00000009096|OTTHUMP00000009098|OTTHUMP00000009101|OTTHUMP00000009102|mutY homolog

Pathway

- [Base excision repair](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Adenomatous Polyps](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)

- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Intestinal Polyposis](#)
- [Intestinal Polyps](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Neuroma](#)
- [Occupational Diseases](#)
- [Oropharyngeal Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Poisoning](#)
- [Prostatic Neoplasms](#)
- [Syndrome](#)
- [Urinary Bladder Neoplasms](#)