

MUTYH rabbit monoclonal antibody

Catalog # H00004595-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human MUTYH peptide using ARM Technology.
Immunogen	A synthetic peptide of human MUTYH is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human MUTYH peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — MUTYH

Entrez GeneID	4595
GeneBank Accession#	MUTYH
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](#)