

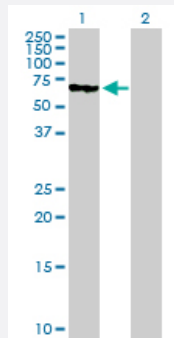
MaxPab®

MUTYH purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004595-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of MUTYH expression in transfected 293T cell line ([H00004595-T01](#)) by MUTYH MaxPab polyclonal antibody.

Lane 1: MUTYH transfected lysate (59.10 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MUTYH protein.
Immunogen	MUTYH (NP_001041636.1, 1 a.a. ~ 535 a.a) full-length human protein.
Sequence	MTPLVSRLSRLWAIMRKPRAAVSGSHRKAASQEGRQKHAKNNSQAKPSACDGLARQPEEVVL QASVSSYHLFRDVAEVTAFRGSLLSWYDQEKRDLPWRRRAEDEMDLDRAYAVVWSEVMLQQ TQVATVINYYTGWMQKWPTLQDLASASLEEVLNQLWAGLGYYSRGRRLQEGARKVVEELGGHMP RTAETLQQLLPGVGRYTAGAIAAFGQATGVVDGNVARVLCRVRAIGADPSSTLVSQQLWGLAQ QLVDPARPGDFNQAAAMELGATVCTPQRPLCSQCPVESLCRARQRVEQEQLLASGSLSGSPDV EECAPNTGQCHLCLPPSEPWDQTLGVVNFPRKASRKPPREESSATCVLEQPGALGAQILLVQR PNSGLLAGLWEFPSVTWEPSEQLQRKALLQELQRWAGPLPATHLRHLGEVVHTFSHIKLTQVY GLALEGQTPVTTVPPGARWLTQEEFHTAAVSTAMKKVFRVYQGGQPGTCMGSKRSQVSSPCSR KKPRMGQQVLDNFFRSHISTDAHSLNSAAQ
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — MUTYH

Entrez GeneID

[4595](#)

GeneBank Accession#

[BC003178.1](#)

Protein Accession#

[NP_001041636.1](#)

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](#)