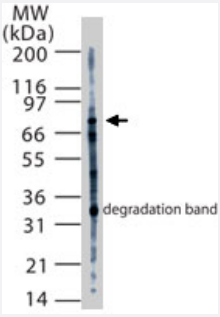
# MUTYH polyclonal antibody

Catalog # PAB0208 Size 100 ug

## Applications




### Western Blot (Cell lysate)

Western blot analysis of MUTYH in 20 ugs of HeLa cell lysate. Using MUTYH polyclonal antibody (Cat # PAB0208) at 2 ug/mL .

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of MUTYH. |
| **Immunogen** | A synthetic peptide corresponding to amino acids 531-546 of human MUTYH. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Recommend Usage** | The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.05% BSA, 0.05% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — MUTYH

| | |
|---|---|
| **Entrez GeneID** | 4595 |
| **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 ex cises adenine bases from the DNA backbone at sites where adenine is inappropriately paired wit h 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 predi sposition to colon and stomach cancer. Multiple transcript variants encoding different isoforms ha ve been found for this gene. [provided by RefSeq |
| **Other Designations** | A/G-specific adenine DNA glycosylase\|OTTHUMP00000009096\|OTTHUMP00000009098\|OTTH UMP00000009101\|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