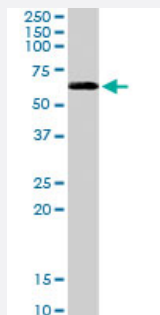


MUTYH polyclonal antibody

Catalog # PAB6606

Size 100 ug

Applications



Western Blot (Tissue lysate)

MUTYH polyclonal antibody (Cat # PAB6606) (0.1 ug/mL) staining of human bone marrow lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of MUTYH.
Immunogen	A synthetic peptide corresponding to human MUTYH.
Sequence	C-HISTDAHSLNSAAQ
Host	Goat
Theoretical MW (kDa)	60, 59.1, 57.5, 57.4
Reactivity	Human
Specificity	This antibody is expected to recognize all reported isoforms (NP_0.36354.1, NP_001041636.1, NP_001041637.1, NP_001041638.1, NP_001041639.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MUTYH

Entrez GeneID	4595
Protein Accession#	NP_036354.1;NP_001041636.1;NP_001041637.1;NP_001041638.1;NP_001041639.1
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

Publication Reference

- [Cloning and sequencing a human homolog \(hMYH\) of the Escherichia coli mutY gene whose function is required for the repair of oxidative DNA damage.](#)

Slupska MM, Baikalov C, Luther WM, Chiang JH, Wei YF, Miller JH.

Journal of Bacteriology 1996 Jul; 178(13):3885.

Application: WB-Ce, WB-Tr, Human, HeLa cells

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](#)