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# MUTYH Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP9161c**

## Specification

### MUTYH Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9UIF7

### MUTYH Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 4595

**Other Names**
A/G-specific adenine DNA glycosylase, 322-, MutY homolog, hMYH, MUTYH, MYH

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP9161c>AP9161c</a> was selected from the Center region of human MUTYH. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### MUTYH Antibody (Center) Blocking Peptide - Protein Information

**Name** MUTYH

**Synonyms** MYH

**Function**
Involved in oxidative DNA damage repair. Initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. Possesses both adenine and 2-OH-A DNA glycosylase activities.

**Cellular Location**
Nucleus. Mitochondrion {ECO:0000250|UniProtKB:Q99P21}

### MUTYH Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

**MUTYH Antibody (Center) Blocking Peptide - Images**

**MUTYH Antibody (Center) Blocking Peptide - Background**

MYH is the eukaryotic homolog to the E. coli protein MutY. It was first identified in HeLa cells and nicks DNA replication errors, specifically A/G mismatches. MYH is involved in oxidative DNA damage repair. It initiates repair of A*oxoG to C*G by removing the inappropriately paired adenine base from the DNA backbone. It possesses both adenine and 2-OH-A DNA glycosylase activities.

**MUTYH Antibody (Center) Blocking Peptide - References**

Kim C.J., et.al., Oncogene 23:6820-6822(2004).Isidro G., et.al., Hum. Mutat. 24:353-354(2004).Sieber O.M., et.al., N. Engl. J. Med. 348:791-799(2003).