abcepta

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 AP9161c 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
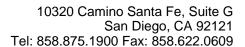
Name MUTYH

Synonyms MYH

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).

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

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

- Blocking Peptides