

UNG Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9936b**Specification**

UNG Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [P13051](#)

UNG Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7374

Other Names

Uracil-DNA glycosylase {ECO:0000255|HAMAP-Rule:MF_03166}, UDG
{ECO:0000255|HAMAP-Rule:MF_03166}, 32227 {ECO:0000255|HAMAP-Rule:MF_03166}, UNG
{ECO:0000255|HAMAP-Rule:MF_03166}

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.

UNG Antibody (C-term) Blocking Peptide - Protein Information

Name UNG {ECO:0000255|HAMAP-Rule:MF_03166}

Function

Excises uracil residues from the DNA which can arise as a result of misincorporation of dUMP residues by DNA polymerase or due to deamination of cytosine.

Cellular Location

[Isoform 1]: Mitochondrion.

Tissue Location

Isoform 1 is widely expressed with the highest expression in skeletal muscle, heart and testicles. Isoform 2 has the highest expression levels in tissues containing proliferating cells

UNG Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UNG Antibody (C-term) Blocking Peptide - Images

UNG Antibody (C-term) Blocking Peptide - Background

UNG encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway. Uracil bases occur from cytosine deamination or misincorporation of dUMP residues.

UNG Antibody (C-term) Blocking Peptide - References

Ameratunga, R., et al. N. Z. Med. J. 122(1304):46-53(2009)Olsen, J.V., et al. Cell
127(3):635-648(2006)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A.
101(33):12130-12135(2004)