

OGG1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6931b**Specification**

OGG1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O15527](#)**OGG1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4968**Other Names**

N-glycosylase/DNA lyase, 8-oxoguanine DNA glycosylase, 322-, DNA-(apurinic or apyrimidinic site) lyase, AP lyase, OGG1, MMH, MUTM, OGH1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6931b](/products/AP6931b) was selected from the C-term region of human OGG1. 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.

OGG1 Antibody (C-term) Blocking Peptide - Protein Information**Name** OGG1**Synonyms** MMH, MUTM, OGH1**Function**

DNA repair enzyme that incises DNA at 8-oxoG residues. Excises 7,8-dihydro-8-oxoguanine and 2,6-diamino-4-hydroxy-5-N-methylformamidopyrimidine (FAPY) from damaged DNA. Has a beta-lyase activity that nicks DNA 3' to the lesion.

Cellular Location

Nucleus, nucleoplasm. Nucleus speckle. Nucleus matrix. Note=Together with APEX1 is recruited to nuclear speckles in UVA-irradiated cells [Isoform 2A]: Mitochondrion.

Tissue Location

Ubiquitous.

OGG1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

OGG1 Antibody (C-term) Blocking Peptide - Images

OGG1 Antibody (C-term) Blocking Peptide - Background

OGG1 is the enzyme responsible for the excision of 8-oxoguanine, a mutagenic base byproduct which occurs as a result of exposure to reactive oxygen. The action of this enzyme includes lyase activity for chain cleavage.

OGG1 Antibody (C-term) Blocking Peptide - References

Wozniak,K., et.al., J. Biomed. Biotechnol. 2009, 827562 (2009)