10320 Camino Santa Fe, Suite G
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LIG1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP14830a

Specification

LIG1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P18858

LIG1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3978

Other Names
DNA ligase 1, DNA ligase I, Polydeoxyribonucleotide synthase [ATP] 1, LIG1

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.

LIG1 Antibody (N-term) Blocking Peptide - Protein Information

Name LIG1

Function
DNA ligase that seals nicks in double-stranded during DNA repair (PubMed:30395541). Also involved in DNA replication and DNA recombination.

Cellular Location
Nucleus.

LIG1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

LIG1 Antibody (N-term) Blocking Peptide - Images

LIG1 Antibody (N-term) Blocking Peptide - Background

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LIG1 encodes DNA ligase I, with functions in DNAreplication and the base excision repair process. Mutations inLIG1 that lead to DNA ligase I deficiency result inimmunodeficiency and increased sensitivity to DNA-damaging agents.

LIG1 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Arora, M., et al. Leukemia 24(8):1470-1475(2010)Guillem, V.M., et al. Am. J. Hematol. 85(7):482-486(2010)Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)Monsees, G.M., et al. Breast Cancer Res. Treat. (2010) In press :