

LIG1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14830a**Specification**

LIG1 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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**

LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency 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 :