

LIG1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14830A

Specification

LIG1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P18858
Other Accession	NP_000225.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	101736
Antigen Region	1-30

LIG1 Antibody (N-term) - Additional Information

Gene ID 3978

Other Names

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

Target/Specificity

This LIG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human LIG1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LIG1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LIG1 Antibody (N-term) - 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.

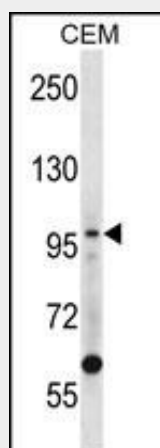
Cellular Location

Nucleus.

LIG1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIG1 Antibody (N-term) - Images

LIG1 Antibody (N-term) (Cat. #AP14830a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the LIG1 antibody detected the LIG1 protein (arrow).

LIG1 Antibody (N-term) - 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) - 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 :