

LIG1 / DNA Ligase 1 Antibody (clone 10H5)
Mouse Monoclonal Antibody
Catalog # ALS11861**Specification**

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - Product Information

Application	IHC
Primary Accession	P18858
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	102kDa KDa

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - Additional Information**Gene ID** 3978**Other Names**

DNA ligase 1, 6.5.1.1, DNA ligase I, Polydeoxyribonucleotide synthase [ATP] 1, LIG1

Target/Specificity

Full-length recombinant human DNA Ligase I protein

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

LIG1 / DNA Ligase 1 Antibody (clone 10H5) is for research use only and not for use in diagnostic or therapeutic procedures.

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - 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

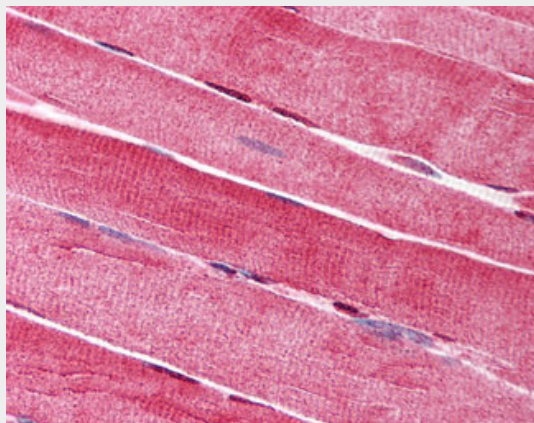
Nucleus.

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - 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 / DNA Ligase 1 Antibody (clone 10H5) - Images



Anti-LIG1 antibody IHC of human skeletal muscle.

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - Background

DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.

LIG1 / DNA Ligase 1 Antibody (clone 10H5) - References

Barnes D.E., et al. Proc. Natl. Acad. Sci. U.S.A. 87:6679-6683(1990).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Grimwood J., et al. Nature 428:529-535(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Petrini J.H.J., et al. Proc. Natl. Acad. Sci. U.S.A. 88:7615-7619(1991).