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LIG1 / DNA Ligase 1 Antibody (clone 10G12)

Mouse Monoclonal Antibody
Catalog # ALS14398

Specification

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - Product Information

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

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - Additional Information

Gene ID 3978

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

Target/Specificity
Human LIG1

Reconstitution & Storage
Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions
LIG1 / DNA Ligase 1 Antibody (clone 10G12) is for research use only and not for use in diagnostic or therapeutic procedures.

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - 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 10G12) - Protocols

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

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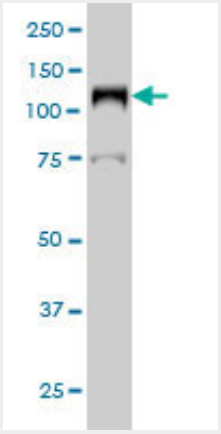
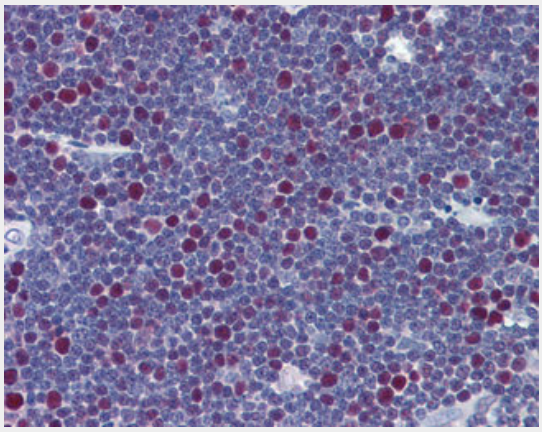
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - Images



Western blot of LIG1 expression in HeLa nuclear extract.



Anti-LIG1 antibody IHC of human thymus.

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - Background

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

LIG1 / DNA Ligase 1 Antibody (clone 10G12) - 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).