Product Datasheet

DNA Ligase I Rabbit mAb

Catalog No: #49797

Package Size: #49797-1 50ul #49797-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

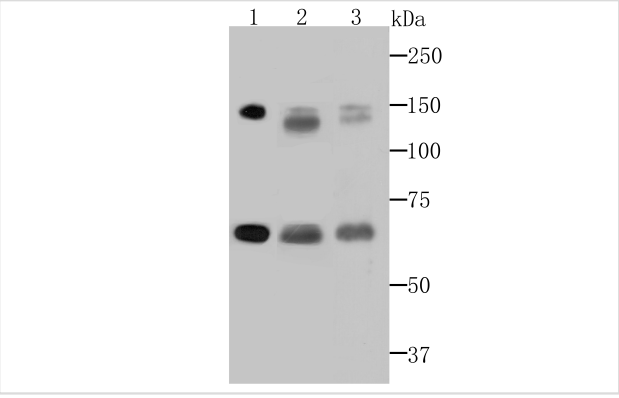
Description

Product Name	DNA Ligase I Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB43-39
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Rt
Other Names	DNA ligase 1 antibody DNA ligase I antibody DNLI1_HUMAN antibody LIG 1 antibody lig1 antibody Ligase I DNA ATP dependent antibody MGC117397 antibody MGC130025 antibody Polydeoxyribonucleotide synthase [ATP] 1 antibody
Accession No.	Swiss-Prot#:P18858
Calculated MW	Predicted band size 102 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

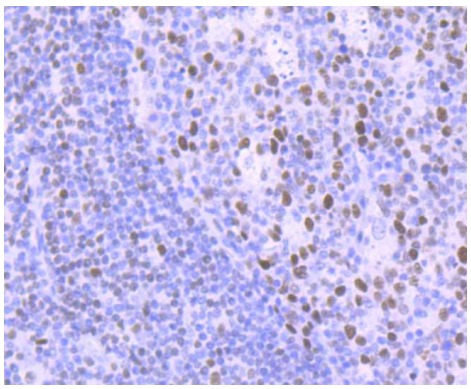
Application Details

WB: 1:500 IHC: 1:50-1:200

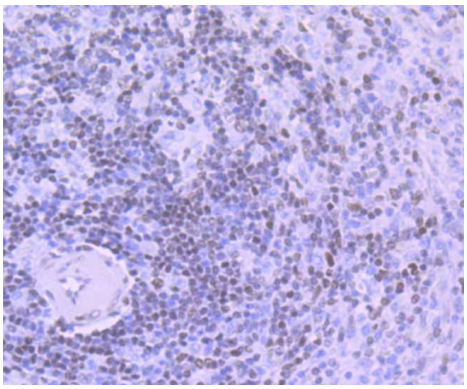
Images



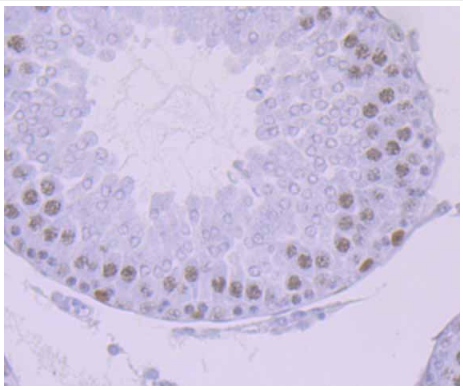
Western blot analysis of DNA Ligase I on different cell lysates using anti-DNA Ligase I antibody at 1/500 dilution. Positive control: Lane 1: Daudi Lane 2: A431 Lane 3: MCF-7



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-DNA Ligase I antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-DNA Ligase I antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-DNA Ligase I antibody. Counter stained with hematoxylin.

Background

This gene encodes a member of the ATP-dependent DNA ligase protein family. The encoded protein functions in DNA replication, recombination, and the base excision repair process. Mutations in this gene that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. Disruption of this gene may also be associated with a variety of cancers. Alternative splicing results in multiple transcript variants.

References

1. Pascal J M et al. Human DNA ligase I completely encircles and partially unwinds nicked DNA. Nature 432:473-478 (2004). 2. Baple E L et al. Hypomorphic PCNA mutation underlies a human DNA repair disorder. J Clin Invest 124:3137-3146 (2014).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.