

For Research Use Only

# LIG1 Monoclonal antibody

Catalog Number: 67840-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67840-1-Ig	<b>GenBank Accession Number:</b> BC108318	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3978	<b>CloneNo.:</b> 3D9G8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P18858	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ligase I, DNA, ATP-dependent	
<b>Immunogen Catalog Number:</b> AG12489	<b>Calculated MW:</b> 919 aa, 102 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells, Jurkat cells, MOLT-4 cells, K-562 cells, HSC-T6 cells
<b>Cited Applications:</b> WB, ColP	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

DNA ligase I (LIG1) joins DNA strand breaks during DNA replication and repair transactions and contributes to genome integrity. 67840-1-Ig is raised against the C-terminal 670-919 aa residues of the human DNA ligase 1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhihua Kang	37873068	bioRxiv	WB, ColP

## Storage

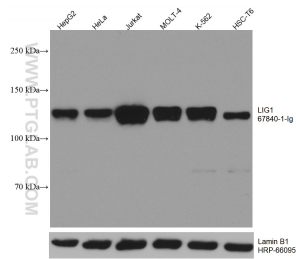
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67840-1-Ig (LIG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.