

For Research Use Only

LIG1 Monoclonal antibody

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



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, HeLa cells, Jurkat cells, MOLT-4 cells, K-562 cells, HSC-T6 cells
Cited Applications: WB, CoIP	
Species Specificity: Human, mouse, rat	
Cited Species: 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, CoIP

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

For technical support and original validation data for this product please contact:

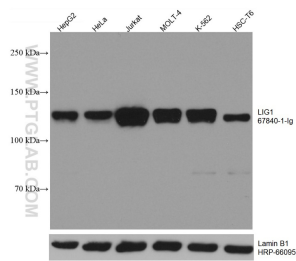
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Selected Validation Data



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.