

## ARG55337 anti-LIG1 / DNA ligase 1 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes LIG1 / DNA ligase 1
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LIG1 / DNA ligase 1
Species	Human
Immunogen	Recombinant protein of Human LIG1
Conjugation	Un-conjugated
Alternate Names	EC 6.5.1.1; DNA ligase 1; Polydeoxyribonucleotide synthase [ATP] 1; DNA ligase I

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	22RV-1	
Observed Size	~ 130 kDa	

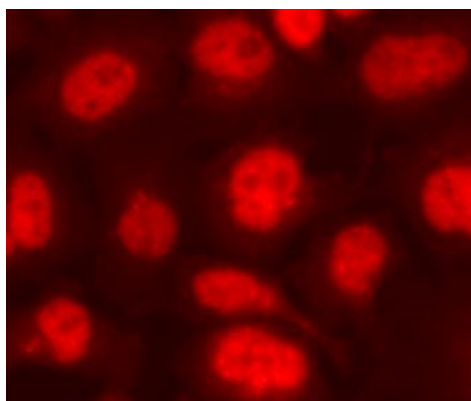
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

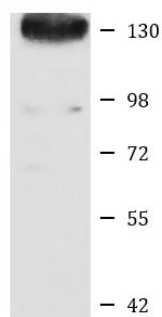
Database links	<a href="#">GeneID: 16881 Mouse</a> <a href="#">GeneID: 3978 Human</a> <a href="#">Swiss-port # P18858 Human</a> <a href="#">Swiss-port # P37913 Mouse</a>
Gene Symbol	LIG1
Gene Full Name	ligase I, DNA, ATP-dependent
Background	This gene encodes a member of the ATP-dependent DNA ligase 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. [provided by RefSeq, Jan 2014]
Function	DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	102 kDa

## Images



ARG55337 anti-LIG1 / DNA ligase 1 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG55337 anti-LIG1 / DNA ligase 1 antibody.



22RV-1

ARG55337 anti-LIG1 / DNA ligase 1 antibody WB image

Western blot: 22RV-1 cell lysate stained with ARG55337 anti-LIG1 / DNA ligase 1 antibody.