

## ARG64962 anti-LIG1 / DNA ligase 1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes LIG1 / DNA ligase 1
Tested Reactivity	Hu
Predict Reactivity	Rat
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	LIG1 / DNA ligase 1
Species	Human
Immunogen	C-RVREDKQPEQATTS
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
	WB	0.1 - 0.3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

[GeneID: 3978 Human](#)

[Swiss-port # P18858 Human](#)

### Background

LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. [provided by RefSeq, Jul 2008]

### Research Area

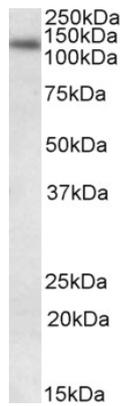
Gene Regulation antibody

### Calculated Mw

102 kDa

## Images

---



ARG64962 anti-LIG1 / DNA ligase 1 antibody WB image

Western blot: HeLa nuclear lysate (35 µg protein in RIPA buffer) stained with ARG64962 anti-LIG1 / DNA ligase 1 antibody at 0.1 µg/ml dilution.