# 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

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|---|---|
| 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

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|---|---|
| Database links | GeneID: 3978 Human<br><br>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.