

DNA Ligase I/LIG1 Rabbit Polyclonal Antibody

Catalog #: EAB14640

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|----------------------|----------|-------------------|
| Rabbit IgG | Polyclonal | WB, IHC-P, IF, ELISA | 102 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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|--|--------------|
| WB(Western Blotting) | 1:500-2000 |
| IHC-P(Immunohistochemistry-Paraffin) | 1:50-300 |
| IF(Immunofluorescence) | 1:50-300 |
| ELISA(Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

Product Information

| | |
|----------------|--|
| Conjugate | Unconjugate |
| Specificity | DNA Ligase I/LIG1 Rabbit Polyclonal Antibody detects endogenous levels of DNA Ligase I/LIG1 protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P18858 |
| Entrez-Gene ID | 3978 |

Product Description

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.

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