

**Product Name: DNA Ligase IV Rabbit Polyclonal Antibody**  
**Catalog #: APRab00277**

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## Summary

<b>Production Name</b>	DNA Ligase IV Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,ICC/IF
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

## Immunogen

<b>Gene Name</b>	LIG4
<b>Alternative Names</b>	LIG4; DNA ligase 4; DNA ligase IV; Polydeoxyribonucleotide synthase [ATP] 4
<b>Gene ID</b>	3981
<b>SwissProt ID</b>	P49917.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 104 kDa; Observed MW: 104 kDa

## Background

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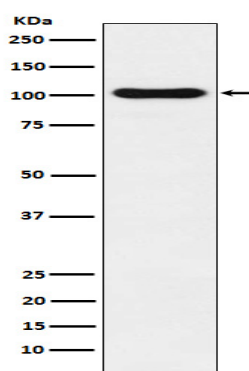


Efficiently joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-dependent reaction. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of DNA Ligase IV in Ramos lysates using DNA Ligase IV antibody.

## Note

For research use only.