

**Product Name: DNA Ligase IV Rabbit Monoclonal Antibody**  
**Catalog #: AMRe01916**

---

## Summary

<b>Production Name</b>	DNA Ligase IV Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<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>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## 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
<b>Molecular Weight</b>	Calculated MW: 104 kDa; Observed MW: 104 kDa

**Product Name: DNA Ligase IV Rabbit Monoclonal Antibody**  
**Catalog #: AMRe01916**

---

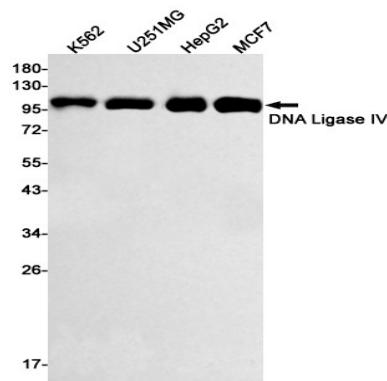
## Background

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 K562, U251MG, HepG2, MCF-7 lysates using DNA Ligase IV antibody.

## Note

For research use only.