

## DNA Ligase IV Rabbit mAb

Catalog No: #52255

Package Size: #52255-1 50ul #52255-2 100ul

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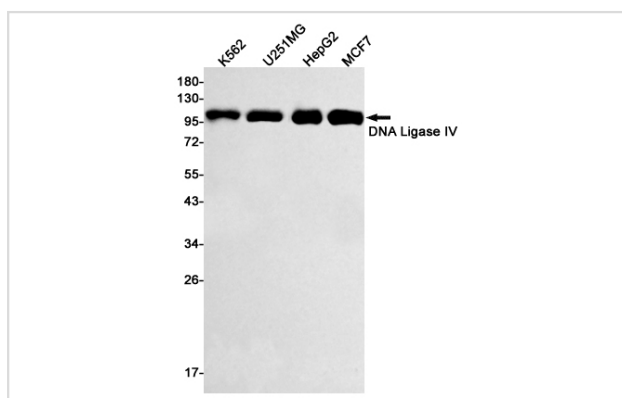
## Description

Product Name	DNA Ligase IV Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-3B4
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	Recombinant protein of human DNA Ligase IV
Conjugates	Unconjugated
Modification	Unmodification
Other Names	LIG4S
Accession No.	Swiss-Prot:P49917GenelD:3981
Uniprot	P49917
GenelD	3981
Calculated MW	Calculated MW: 104 kDa; Observed MW: 104 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Application Details

WB: 1/1000

## Images



Western blot detection of DNA Ligase IV in K562,U251MG,HepG2,MCF7 cell lysates using DNA Ligase IV Rabbit mAb(1:500 diluted).Predicted band size:104kDa.Observed band size:104kDa.

## Background

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Swiss-Prot Acc.P49917. 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. The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.

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Note: This product is for in vitro research use only