

DNA Ligase IV Rabbit mAb

Catalog No: #59621

Package Size: #59621-1 50ul #59621-2 100ul

Description

Product Name	DNA Ligase IV Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	DNA Ligase IV Antibody detects endogenous levels of total DNA Ligase IV
Immunogen Description	A synthesized peptide derived from human DNA Ligase IV
Other Names	DNA joinase; DNA ligase 4; DNA ligase IV; DNA repair enzyme; LIG4; LIG4S; Ligase IV;
Accession No.	Uniprot:P49917
Calculated MW	Predicted band size: 104 kDa
SDS-PAGE MW	Observed band size: 104 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

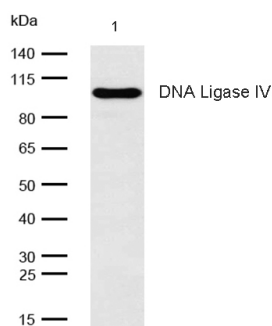
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: DNA Ligase IV Rabbit mAb at 1/1k dilution

Lane 1 : Ramos whole cell lysates
Lysates/proteins at 20 µg per lane.

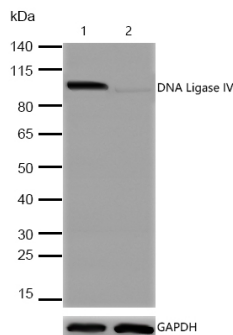
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 104 kDa

Observed band size: 104 kDa

Exposure time: 7 seconds

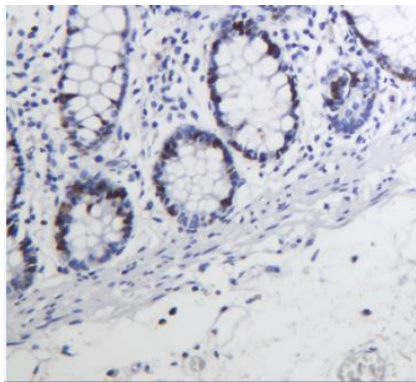


All lanes: DNA Ligase IV Rabbit mAb at 1/1k dilution

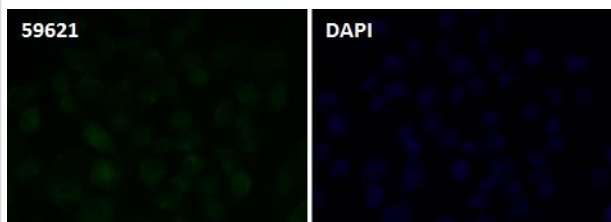
Lane 1 : Wild-type HeLa cell lysate

Lane 2 : DNA Ligase IV Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for DNA Ligase IV using 59621 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence DNA Ligase IV antibody (59621) ICC/IF staining of DNA Ligase IV in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 59621 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.