

DNA Ligase IV Rabbit mAb

Catalog No: #49667



Package Size: #49667-1 50ul #49667-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	DNA Ligase IV Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM64-32
Purification	ProA affinity purified
Applications	WB, IHC, ICC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	DNA ligase IV ATP dependent antibody DNA joinase antibody DNA ligase 4 antibody DNA ligase IV antibody DNA repair enzyme antibody DNLI4_HUMAN antibody LIG 4 antibody LIG4 antibody LIG4S antibody Ligase IV antibody Ligase IV DNA ATP dependent antibody Polydeoxyribonucleotide synthase [ATP] 4 antibody Polydeoxyribonucleotide synthase 4 antibody Polydeoxyribonucleotide synthase antibody Polynucleotide ligase antibody Sealase antibody
Accession No.	Swiss-Prot#:P49917
Uniprot	P49917
GeneID	3981;
Calculated MW	104 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:10-1:50

Background

The X-ray repair cross-complementing protein XRCC4 and DNA Ligase IV are essential for repairing double-strand breaks in DNA. These proteins form a critical complex composed of two molecules of each protein that preferentially bind DNA with nicks or broken ends. As an obligatory accessory molecule, XRCC4 binds to DNA Ligase IV and enhances its joining activity. The XRCC4 / DNA Ligase IV complex is also involved in V (D) J recombination. V (D) (in) a pair of high incidence of apoptosis in the development nervous system and a block in B and T cell maturation.

References

Note: This product is for in vitro research use only