DNA Ligase IV Conjugated Antibody

Catalog No: #C49667

Package Size: #C49667-AF350 100ul #C49667-AF405 100ul #C49667-AF488 100ul #C49667-AF555 100ul #C49667-AF594 100ul #C49667-AF647 100ul #C49667-AF680 100ul #C49667-AF750 100ul #C49667-Biotin 100ul

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

Description

Product Name	DNA Ligase IV Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	104 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The X-ray repair cross-complementing protein XRCC4 and DNA Ligase IV are essential for repairing double-strand breaks in DNA. These stories 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.

Note: This product is for in vitro research use only