

## ligA Polyclonal Conjugated Antibody

Catalog No: #C42630



Package Size: #C42630-AF350 100ul #C42630-AF405 100ul #C42630-AF488 100ul  
 #C42630-AF555 100ul #C42630-AF594 100ul #C42630-AF647 100ul  
 #C42630-AF680 100ul #C42630-AF750 100ul #C42630-Biotin 100ul

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## Description

Product Name	ligA Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	E.coli
Specificity	The antibody detects endogenous level of total ligA polyclonal antibody.
Immunogen Description	Recombinant Escherichia coli DNA ligase protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Polydeoxyribonucleotide synthase [NAD(+)], ligA, dnaL, lig, lop, pdeC, b2411, JW2403
Accession No.	Swiss-Prot#: P15042
Uniprot	P15042
GeneID	946885;
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	74
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

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DNA ligase that catalyzes the formation of phosphodiester linkages between 5'-phosphoryl and 3'-hydroxyl groups in double-stranded DNA using NAD as a coenzyme and as the energy source for the reaction. It is essential for DNA replication and repair of damaged DNA.

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Note: This product is for in vitro research use only