

Product datasheet

Anti-DNA ligase antibody (HRP) ab193513

Overview

Product name	Anti-DNA ligase antibody (HRP)
Description	Rabbit polyclonal to DNA ligase (HRP)
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Escherichia coli
Immunogen	Recombinant full length protein corresponding to Escherichia coli DNA ligase aa 1-671.

Sequence:

MESIEQQLTELRTTLRHHEYLYHVMDAPEIPDAEYDRLMRE
 LRELETKHP
 ELITPDSPTQRVGAAPLAAFSQIRHEVPMLSLDNVFDEES
 FLAFNKRVD
 RLKNNKVTWCCELKLDGLAVSILYENGLVSAATRGGDT
 TGEDITSNVR
 TIRAIPLKLHGENIPARLEVRGEVFLPQAGFEKINEDARRTG
 GKVFANPR
 NAAAGSLRQLDPRITAKRPLTFFCYGVGVLEGGELPDTHL
 GRLLQFKKWG
 LPVSDRVTLCESAEEVLAFYHKVEEDRPTLGFIDGVVVK
 VNSLAQQEQL
 GFVARAPRWAVAFKFPAQEQMTFVRDVEFQVGRGTGAIPT
 VARLEPVHVAG
 VLVSNATLHNADEIERLGLRIGDKVVIRRAGDVIPQVVNVVL
 SERPEDTR
 EVVFPTHCPVCGSDVERVEGEAVARCTGGGLICGAQRKES
 LKHFVSRRAMD
 VDGMDKIIDLVEKEYVHTPADLFLKLTAGKLTGLERMGP
 KSAQNVVNAL
 EKAKETTFARFLYALGIREVGEATAAGLAAYFGTLEALEAA
 SIEELQKVP
 DVGIVVASHVHNFFAEESNRNVISELLAEGVHWPAPVINA
 EEIDSPFAG
 KTVVLTGSLSQMSRDDAKARLVELGAKVAGSVSKKTDLVI
 AGEAAGSKLA KAQELGIEVIDEAEMLRLLGS

Database link: [P15042](#)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.40 Constituents: 49% PBS, 50% Glycerol, 0.03% Proclin 300
Purity	Caprylic Acid - Ammonium Sulfate precipitation
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab193513** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/50 - 1/300. Predicted molecular weight: 74 kDa.

Target

Relevance	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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