

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09494 - Goat Anti-LIG1 / DNA ligase I Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: LIG1, ligase I, DNA, ATP-dependent, MGC117397, MGC130025, DNA

ligase I

Official Symbol: LIG1

Accession Number(s): NP_000225.1

Human GeneID(s): 3978

Non-Human GenelD(s): 81513 (rat)

Immunogen

Peptide with sequence C-RVREDKQPEQATTS, from the internal region (near C-Terminus) of the protein sequence according to NP_000225.1.

Please note the <u>peptide</u> is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 125kDa band observed in nuclear lysates of cell line HeLa (calculated MW of 102kDa according to NP_000225.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat

250kDa 150kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

15kDa
EB09494 (0.1μg/ml) staining of HeLa nuclear lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.