

International Office

Everest Biotech Ltd

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

Customer Service: <u>customerservice@vectorlabs.com</u> Technical Service: <u>technical@vectorlabs.com</u>

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB06206 - Goat Anti-POLL / POLkappa Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: POLL, BETA-N, POL-KAPPA, polymerase (DNA directed), lambda, polymerase (DNA-directed), lambda, DNA polymerase kappa (DNA polymerase beta-N), RP11-529I10.1, BETAN, FLJ46002, POLKAPPA, DNA polymerase beta-2, DNA polymerase kappa (DNA polymerase beta-N), DNA polymerase lamda2, DNA-directed DNA polymerase lambda, OTTHUMP0000020323, pol beta2, pol lambda Official Symbol: POLL

Accession Number(s): NP_037406.1

Human GeneID(s): 27343

Non-Human GeneID(s): 56626 (mouse)

Important Comments: It has been brought to our attention that this product may crossreact with Pol beta (NP_002681), an evolutionarilly related polymerase with a predicted size of 39 kDa. The overall % of identity is not very high (about 32% in the core) but considering only the peptide that we used as immunogen the two share the sequence YREP**R** at the C-terminus. Further the protein structures appear to be very similar in this region.

Immunogen

Peptide with sequence C-LGLPYREPAERDW, from the C Terminus of the protein sequence according to NP_037406.1.

Please note the peptide 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.

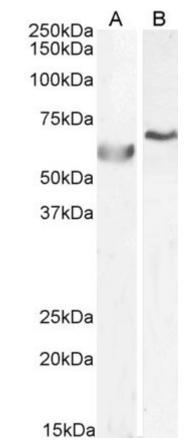
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

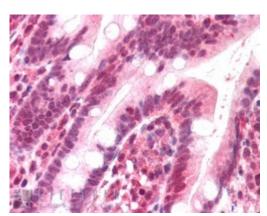
Western blot: Approx 60kDa band observed in cell lysates of A549 and approx 60-70kDa in cell lysates of HepG2 (calculated MW of 63.5kDa according to Human NP_037406.1). Recommended concentration: 0.5-1µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human



EB06206 (0.5µg/ml) staining of A549 (A) and (1ug/ul) HepG2 (B) cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06206 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**