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**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, OTTHUMP00000020323, 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 evolutionarily 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

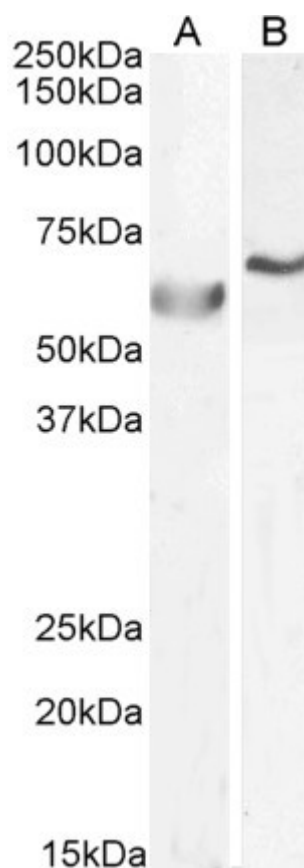
Peptide ELISA: antibody detection limit dilution 1:32000.

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.

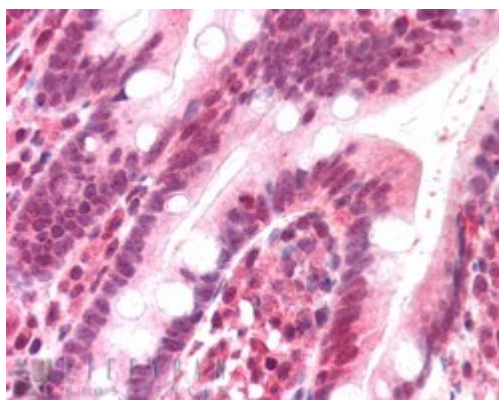
Species Reactivity

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.**