



## UK Office

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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.

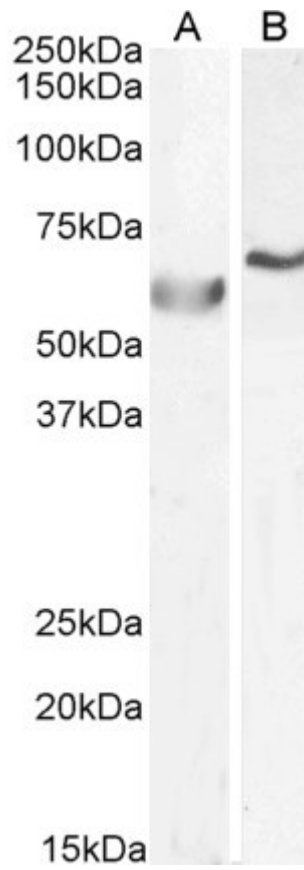
**Western blot:** Approx 60kDa band observed in cell lysates of A549 and approx 60-70kDa in cell lysates of HepG2 (calculated MW of 63.5kDa according to Human NP\_037406.1).

Recommended concentration: 0.5-1µg/ml.

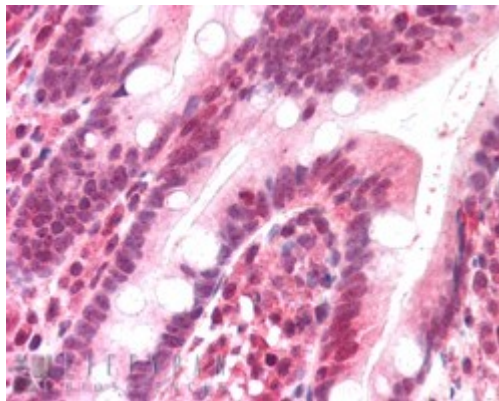
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB06206 (0.5 $\mu$ g/ml) staining of A549 (A) and (1 $\mu$ g/ $\mu$ l) HepG2 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06206 (5 $\mu$ g/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.**