

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB11650 - Goat Anti-PCNA Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** cyclin, DNA polymerase delta auxiliary protein, MGC8367, OTTHUMP00000030190, PCNA, proliferating cell nuclear antigen, ATLD2

**Official Symbol:** PCNA

**Accession Number(s):** NP\_002583.1

**Human GeneID(s):** [5111](#)

**Non-Human GeneID(s):** 18538 (mouse), 25737 (rat)

**Important Comments:** Reported variants represent identical protein: NP\_872590.1, NP\_002583.1

### Immunogen

Peptide with sequence C-NGNIKLSQTSNVD, from the internal region of the protein sequence according to NP\_002583.1.

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 1:128000.

**Western blot:** Approx 30kDa band observed in lysates of cell line HeLa (calculated MW of 28.8kDa according to Human NP\_002583.1). Approx.33kDa band observed in lysates of cell line NIH3T3 and in Mouse and Rat Testis and Pig Spleen lysates (calculated MW of 28.8kDa according to Mouse NP\_035175.1, Rat NP\_071776.1 and Pig NP\_001278854.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Gilljam et al, , J Cell Biol. 2009 Sep 7;186(5):645-54.). Recommended concentration: 0.01-0.03µg/ml.

**Enzyme immunoassay:** This antibody was reported to work in sandwich-type ELISA both as a capturer and as a reporter in combination with EB11651.

### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

EB11650 (0.01µg/ml) staining of HeLa lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB11650 (0.01µg/ml) staining of NIH3T3 (A), Mouse Testis (B) and Rat Testis (C) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB11650 (0.03µg/ml) staining of Pig Spleen lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.