

## International Office

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

## EB11651 - Goat Anti-PCNA (aa111-122) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** cyclin, DNA polymerase delta auxiliary protein, MGC8367, OTTHUMP00000030189, OTTHUMP00000030190, PCNA, proliferating cell nuclear antigen

**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-EAPNQEKVSDYE, 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 Jurkat (calculated MW of 28.8kDa according to Human NP\_002583.1). Approx.35kDa band was observed in lysates of cell line NIH3T3 and in Mouse and Rat Testis, and approx 33kDa in 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: 0.03-0.1µg/ml.

**IHC:** Paraffin embedded Human Tonsil. Recommended concentration: 2.5µg/ml.

**Additional validation:** This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

### Species Reactivity

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

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

### Specific Reference

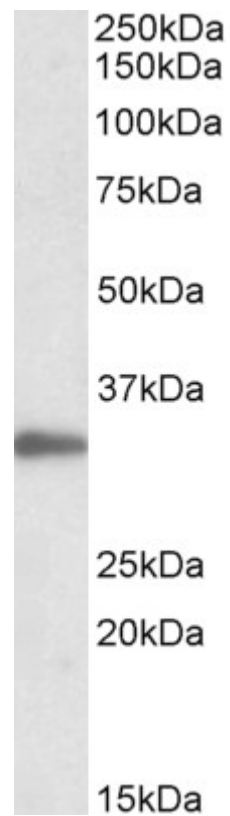
**This antibody has been successfully used in the following paper:**

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

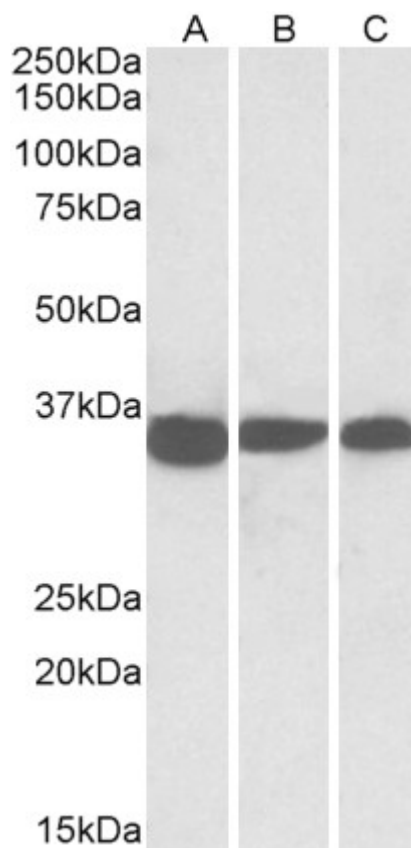
A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

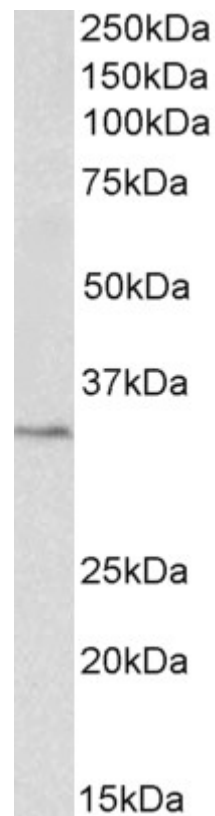
PMID: 30377371



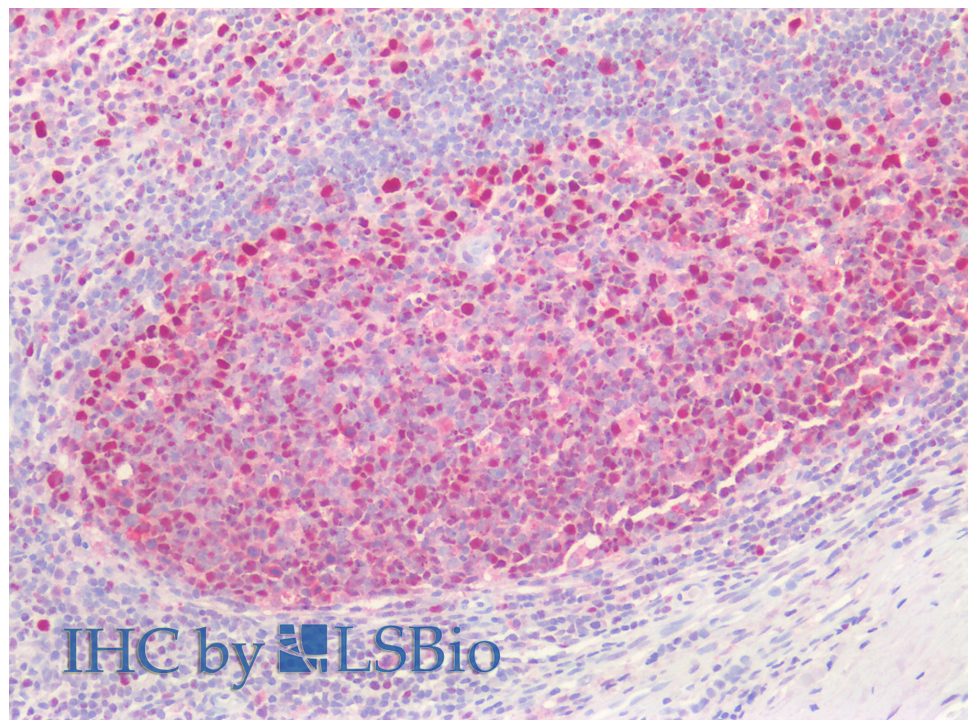
EB11651 (0.05 $\mu$ g/ml) staining of Jurkat lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.



EB11650 (0.03 $\mu$ g/ml) staining of NIH3T3 (A), Mouse Testis (B) and Rat Testis (C) lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11651 (0.3 $\mu$ g/ml) staining of Pig Spleen lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11651 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.