



## UK Office

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

## EB06169 - Goat Anti-Pleckstrin Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PLEK, pleckstrin, P47, p47, FLJ27168

**Official Symbol:** PLEK

**Accession Number(s):** NP\_002655.2

**Human GeneID(s):** [5341](#)

### Immunogen

Peptide with sequence C-EWIKAIQMASRTGK, from the C Terminus of the protein sequence according to NP\_002655.2.

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 1:16000.

**Western blot:** Approx 40-45kDa band observed in Human Parathyroid gland lysates and also in preliminary testing of Mouse Spleen lysates and lysates of cell line U937

(calculated MW of 40.1kDa according to Human NP\_002655.2). Recommended

concentration: 0.01-0.3µg/ml. Primary incubation 1 hour at room temperature. **Negative**

**Control:** HepG2 ( hepatocellular carcinoma) cell lysate.

**IHC:** Paraffin embedded Human Vessel (platelets) and Spleen. Recommended concentration: 3.75µg/ml.

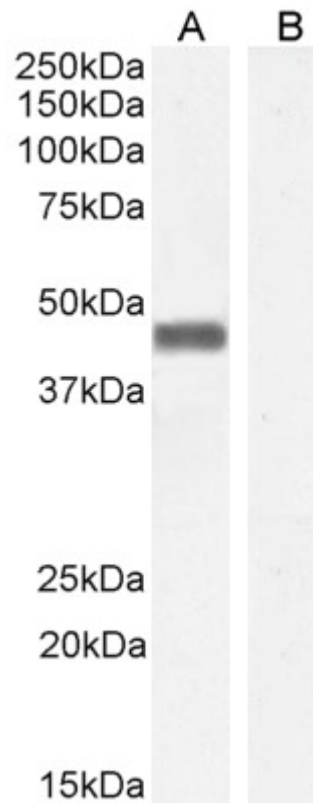
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm/ membranes and nuclei of HeLa cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

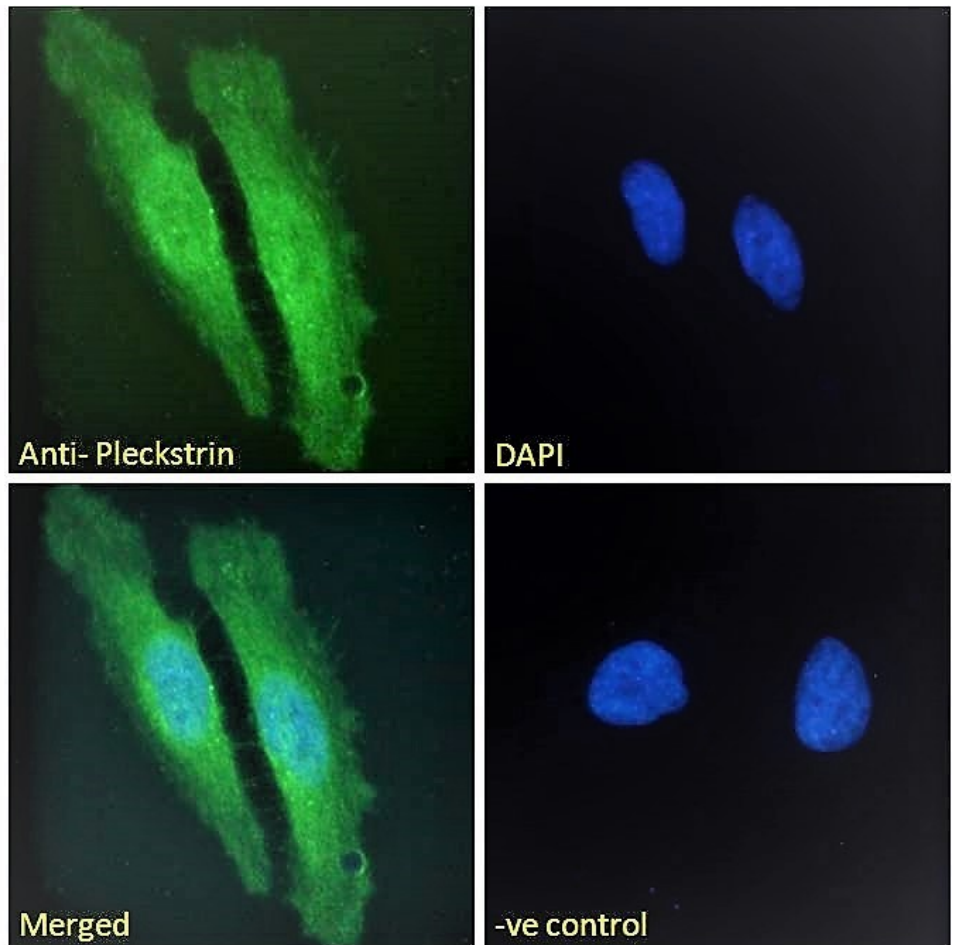
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

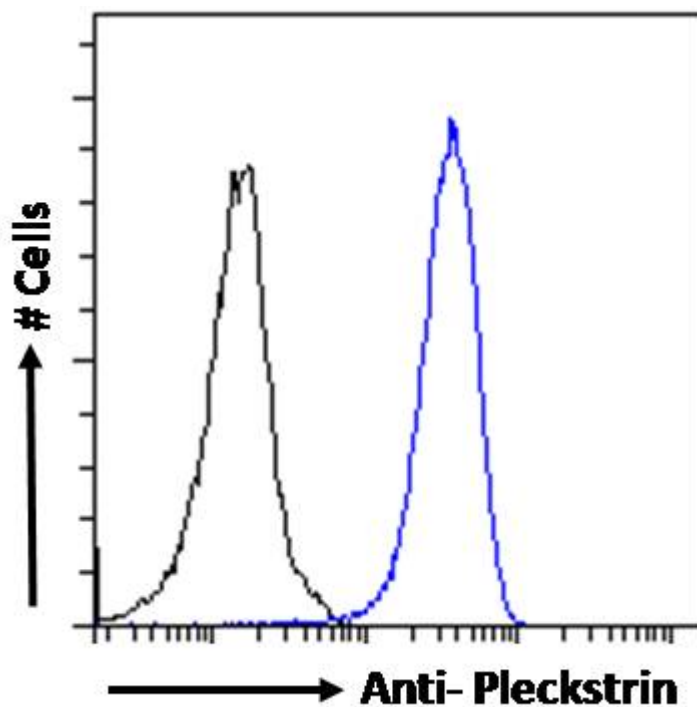


EB06169 staining (0.01  $\mu\text{g}/\text{ml}$ ) of Human Parathyroid lysate (A) and negative control HepG2 (B) cell lysate (35  $\mu\text{g}$  protein in RIPA buffer). Detected by chemiluminescence.

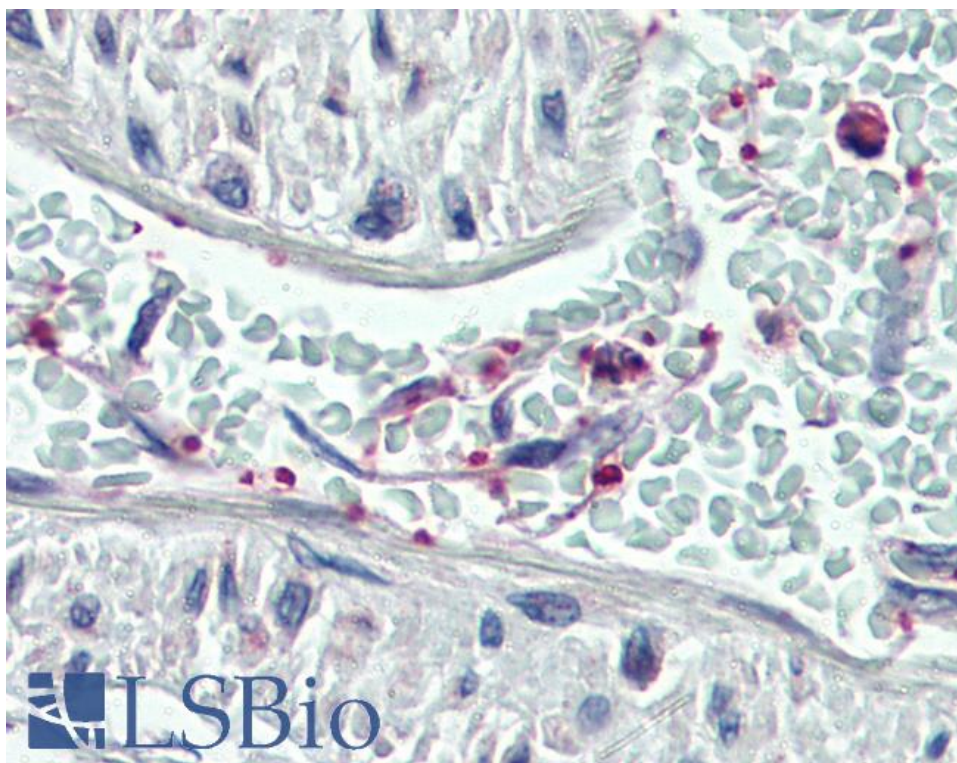


EB06169 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton.

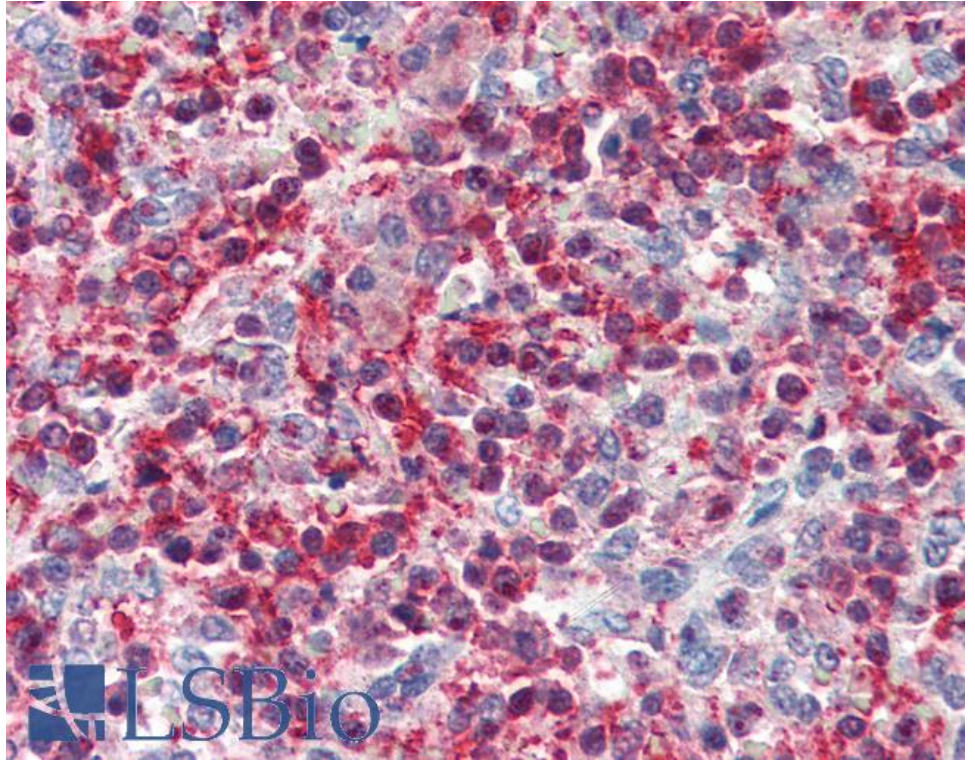
Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06169 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB06169 (3.75µg/ml) staining of paraffin embedded Human Vessel (platelets). Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



EB06169 (3.75µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.