



## International Office

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

## EB06228 - Goat Anti-PAR6alpha / PARD6A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PARD6A, PAR6alpha, PAR-6, TAX40, PAR-6A, TIP-40, par-6 partitioning defective 6 homolog alpha (C.elegans), Tax interaction protein 40, par-6 (partitioning defective 6, C.elegans) homolog alpha, PAR6, PAR6C, Tax-interacting protein 40, par-6 partitioning defective 6 homolog alpha, partitioning defective-6 homolog alpha, partitioning-defective protein 6

**Official Symbol:** PARD6A

**Accession Number(s):** NP\_058644.1; NP\_001032358.1

**Human GenelD(s):** [50855](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_058644.1; NP\_001032358.1).

### Immunogen

Peptide with sequence C-GSRIRGDGSGFSL, from the C Terminus of the protein sequence according to NP\_058644.1; NP\_001032358.1.

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 1:8000.

**Western blot:** Approx 40kDa band observed in lysates of cell lines Jurkat and glioblastoma U251 (calculated MW of 37.4kDa according to NP\_058644.1) .

Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

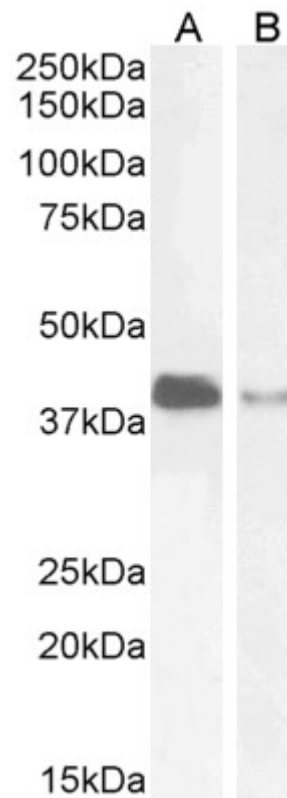
**IHC:** In paraffin embedded Human Pancreas, shows strong cytoplasmic staining in rare cells of intralobular ducts. Recommended concentration: 10µg/ml. Also tested in paraffin embedded Human Heart where it shows speckled staining on myocardial fibres in transverse section. Recommended concentration: 5-10µg/ml.

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

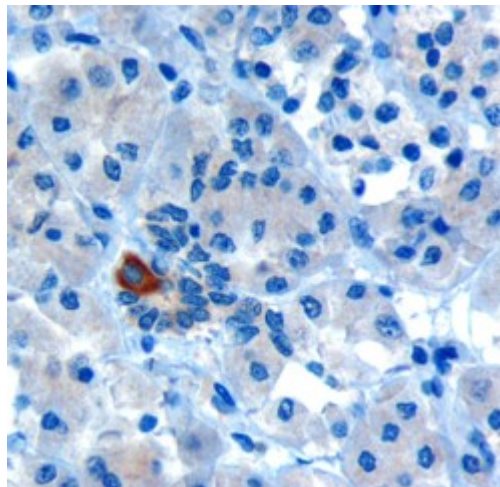
### Species Reactivity

**Tested:** Human

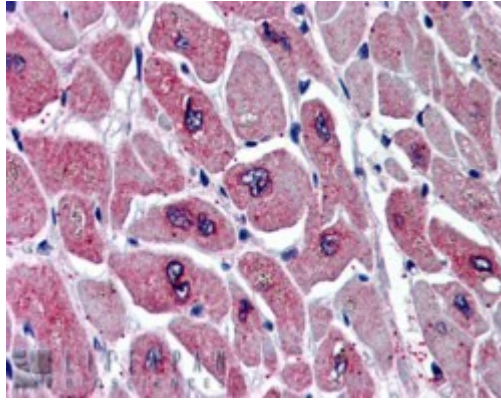
**Expected from sequence similarity:** Human



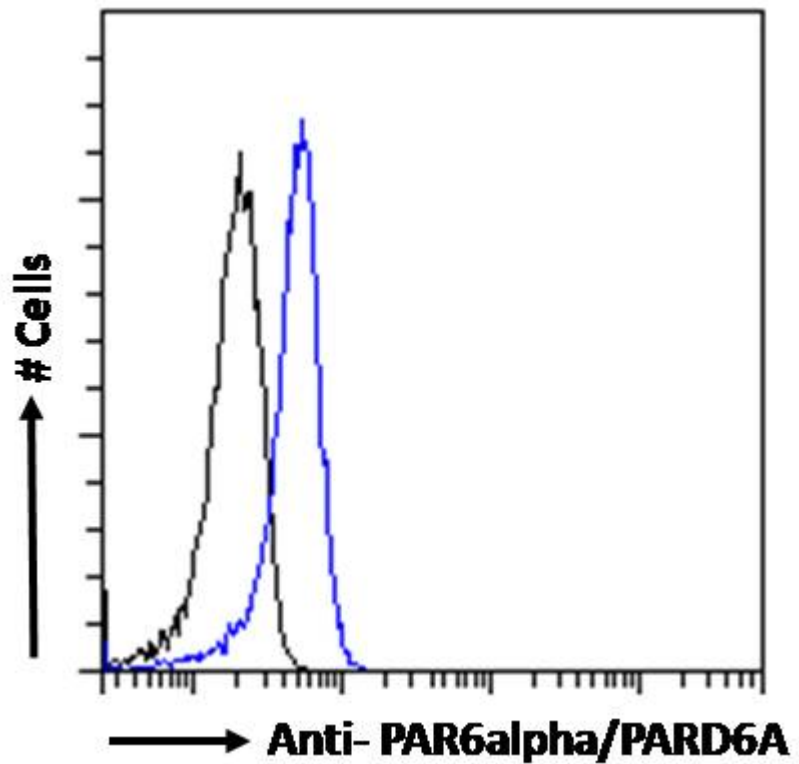
EB06228 (2 $\mu$ g/ml) staining of Jurkat (A) and U251 (B) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06228 (10 $\mu$ g/ml) staining of paraffin embedded Human Pancreas. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB06228 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06228 Flow cytometric analysis of paraformaldehyde fixed Jurkat 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.