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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 GeneID(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.

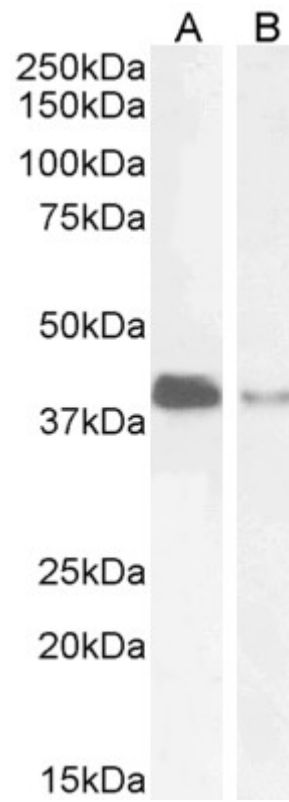
IHC: In paraffin embedded Human Pancreas, shows strong cytoplasmic staining in rare cells of intralobular ducts. Recommended concentration: 10µg/ml. Also tested in paraffin embedded Human Heart where it shows speckled staining on myocardial fibres in transverse section. Recommended concentration: 5-10µg/ml.

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

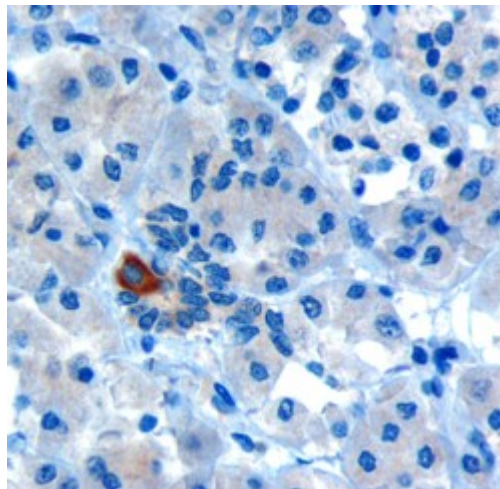
Species Reactivity

Tested: Human

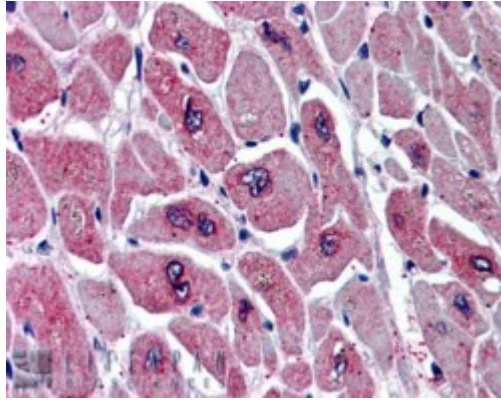
Expected from sequence similarity: Human



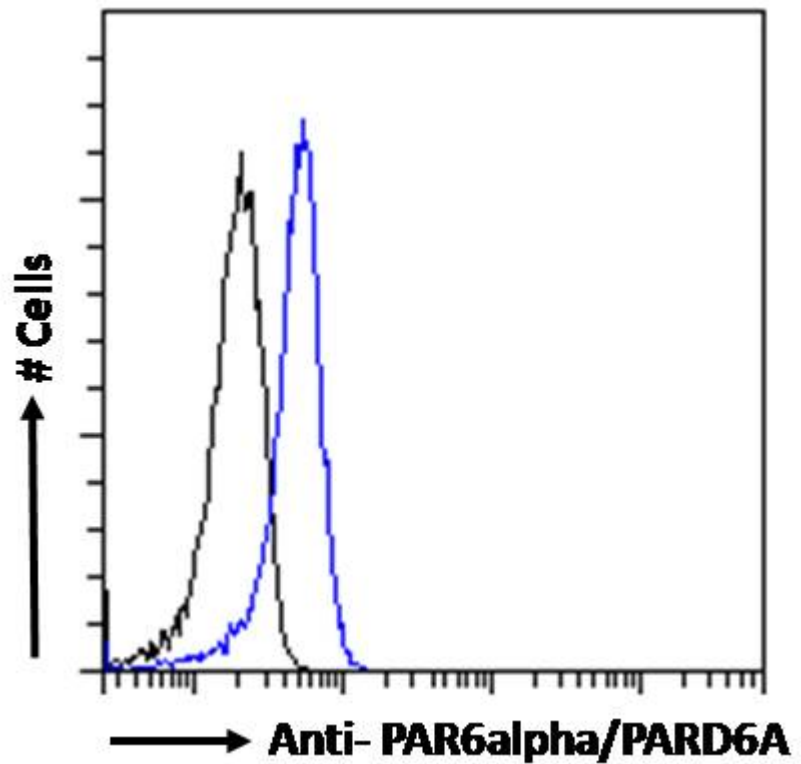
EB06228 (2 μ g/ml) staining of Jurkat (A) and U251 (B) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB06228 (10 μ 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.