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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.

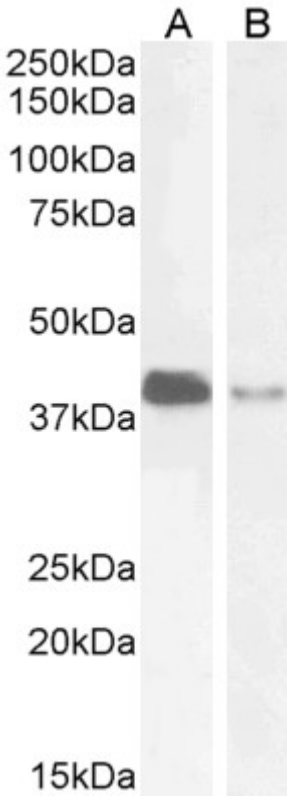
Applications Tested

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.

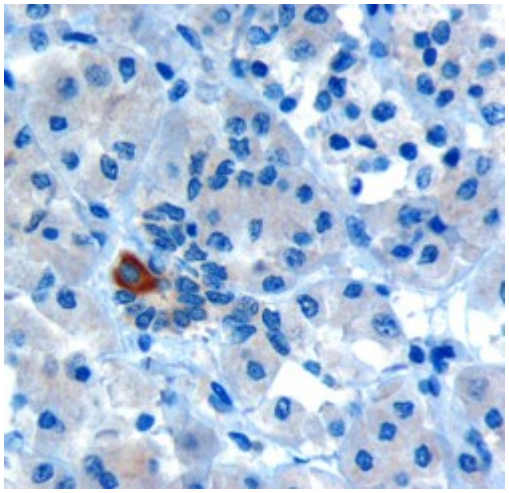
Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

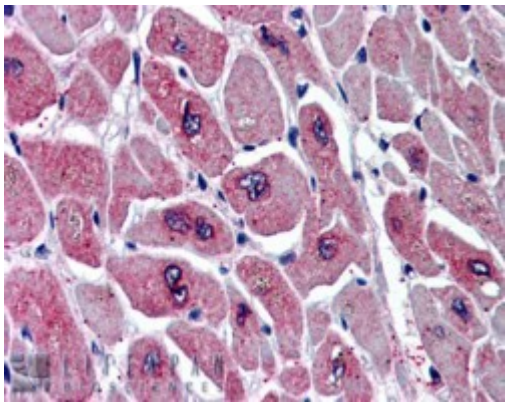
Tested: Human
Expected from sequence similarity: Human



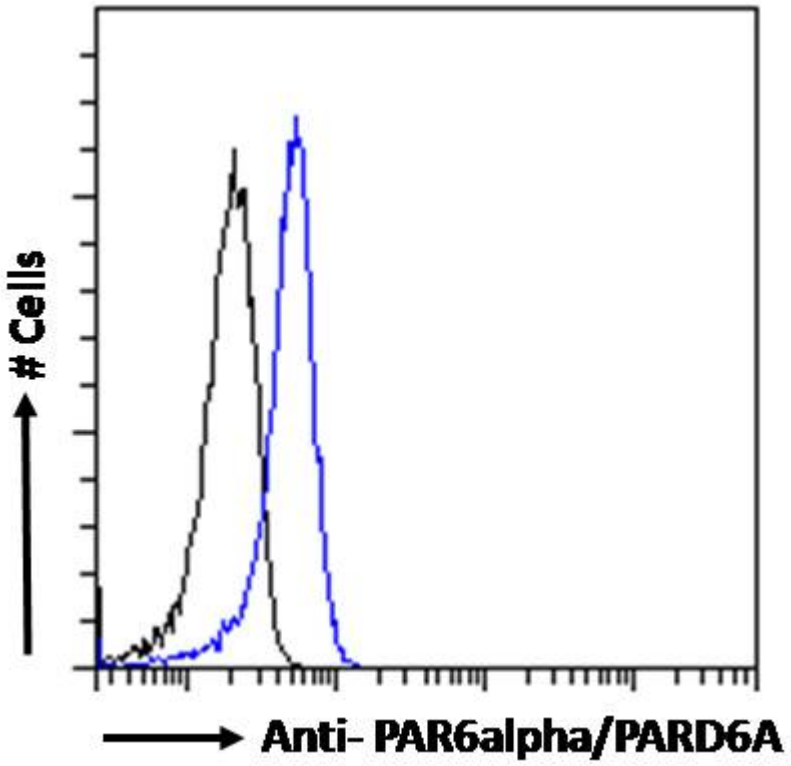
EB06228 (2µg/ml) staining of Jurkat (A) and U251 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB06228 (10µg/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.