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

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB06228 - Goat Anti-PAR6alpha / PARD6A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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:** Preliminary experiments gave no signal but low background in Human Brain and Pancreas extracts at up to 1µg/ml.

**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.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

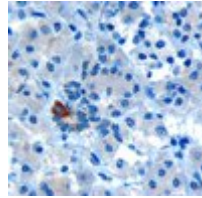
### Background Reference

Johansson A, Driessens M, Aspenstrom P.

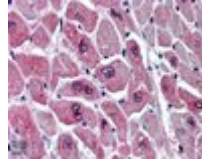
The mammalian homologue of the Caenorhabditis elegans polarity protein PAR-6 is a binding partner for the Rho GTPases Cdc42 and Rac1.

J Cell Sci. 2000 Sep;113 ( Pt 18):3267-75.

**PMID:** 10954424



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.