

Product datasheet for TA303131

OriGene Technologies, Inc.

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PAK1 Goat Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Recommended Dilution: ELISA: 1:4,000. WB: 1-3µg/ml.

Reactivity: Human, Mouse, Rat (Expected from sequence similarity: Dog)

Host: Goat Isotype: IgG

Clonality: Polyclonal

Immunogen: Peptide with sequence C-NTEKQKKKPKMSDE, from the internal region of the protein

sequence according to NP_002567.3.

Formulation: Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum

albumin.

Concentration: lot specific

Purification: 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 $^{\circ}$ C. Minimize

freezing and thawing.

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: p21 (RAC1) activated kinase 1

Database Link: NP 001122092

Entrez Gene 18479 MouseEntrez Gene 29431 RatEntrez Gene 607885 DogEntrez Gene 5058

<u>Human</u> <u>Q13153</u>



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Background: PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and

nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell motility and morphology. Alternativelt spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Synonyms: PAKalpha

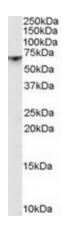
Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency

Protein Pathways: Axon guidance, Chemokine signaling pathway, Epithelial cell signaling in Helicobacter pylori

infection, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton,

Renal cell carcinoma, T cell receptor signaling pathway

Product images:



TA303131 (1ug/ml) staining of Rat Brain lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.