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Product datasheet for TA303069

PDK1 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1,000. WB: 1-3µg/ml.
Reactivity:	Human, Rat (Expected from sequence similarity: Mouse, Dog, Pig, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-DFKDKSAEDAK, from the internal region of the protein sequence according to NP_002601.1.
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°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:	pyruvate dehydrogenase kinase 1
Database Link:	NP_002601 Entrez Gene 116551 RatEntrez Gene 228026 MouseEntrez Gene 476828 DogEntrez Gene 5163 Human Q15118

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Background: Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. [provided by RefSeq]

Synonyms: isoenzyme 1; isozyme 1; mitochondrial pyruvate dehydrogenase kinase isoenzyme 1; pyruvate dehydrogenase kinase

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Fc epsilon RI signaling pathway, Neurotrophin signaling pathway, T cell receptor signaling pathway

Product images:

TA303069 (1ug/ml) staining of Rat Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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