

OriGene Technologies, Inc.

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Product datasheet for TA361379

PDP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDP1
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	59 kDa
Gene Name:	pyruvate dehyrogenase phosphatase catalytic subunit 1
Database Link:	<u>NP_001155251.1</u> <u>Entrez Gene 54704 Human</u> <u>Q9P0J1</u>



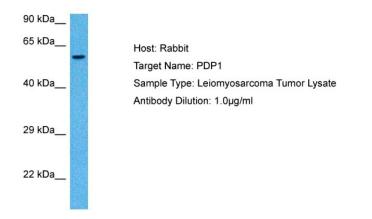
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GRIGENE PDP1 Rabbit Polyclonal Antibody – TA361379

Background:Pyruvate dehydrogenase (E1) is one of the three components (E1, E2, and E3) of the large
pyruvate dehydrogenase complex. Pyruvate dehydrogenase kinases catalyze phosphorylation
of serine residues of E1 to inactivate the E1 component and inhibit the complex. Pyruvate
dehydrogenase phosphatases catalyze the dephosphorylation and activation of the E1
component to reverse the effects of pyruvate dehydrogenase kinases. Pyruvate
dehydrogenase phosphatase is a heterodimer consisting of catalytic and regulatory subunits.
Two catalytic subunits have been reported; one is predominantly expressed in skeletal muscle
and another one is is much more abundant in the liver. The catalytic subunit, encoded by this
gene, is the former, and belongs to the protein phosphatase 2C (PP2C) superfamily. Along
with the pyruvate dehydrogenase complex and pyruvate dehydrogenase kinases, this enzyme
is located in the mitochondrial matrix. Mutation in this gene causes pyruvate dehydrogenase
phosphatase deficiency. Multiple alternatively spliced transcript variants encoding different
isoforms have been identified.

Synonyms:FLJ32517; FLJ56179; MGC119646; PDH; PDP; PDPC; PPM2CProtein Families:Druggable Genome, Phosphatase

Product images:



Host: Rabbit Target Name: PDP1 Sample Tissue: Human Leiomyosarcoma Tumor lysates Antibody Dilution: 1ug/ml

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