

Rat Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial ELISA Kit | Pdha2 elisa kit

Rat Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial ELISA Kit

CATALOG #
AAA101192

REACTIVITY
Rat

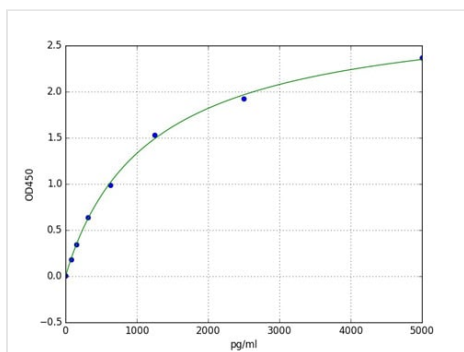
PRODUCT SYNONYMS

Pyruvate dehydrogenase E1 component subunit alpha; testis-specific form; mitochondrial; Rat Pyruvate dehydrogenase E1 component subunit alpha; mitochondrial ELISA Kit; Pdha2/PDHA2/PDHAL/Pyruvate dehydrogenase E1 component subunit alpha; mitochondrial/PDHE1-A type II; Pdha2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	388
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Rat Pdha2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.006	0.232	0.369	0.885	1.377	1.878	2.176	2.488

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pdha2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Pdha2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Pdha2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Pdha2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Pdha2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885543
NCBI GeneID	5161
NCBI Accession #	NP_005381.1
NCBI GenBank Nucleotide #	NM_005390.4
Molecular Weight	42,933 Da
NCBI Official Full Name	pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
NCBI Official Synonym Full Names	pyruvate dehydrogenase (lipoamide) alpha 2
NCBI Official Symbol	PDHA2
NCBI Official Synonym Symbols	PDHAL
NCBI Protein Information	pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
UniProt Protein Name	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial
UniProt Gene Name	PDHA2
UniProt Synonym Gene Names	PDHAL
UniProt Entry Name	ODPAT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pdha2-rat-elisa-kits/pyruvate-dehydrogenase-e1-component-subunit-alpha-testis-specific-form-mitochondrial/101192>