

Human Phosphorylase b kinase regulatory subunit alpha ELISA Kit | PHKA2 elisa kit

Human Phosphorylase b kinase regulatory subunit alpha, liver isoform (PHKA2) ELISA Kit

CATALOG #
AAA55608

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphorylase b kinase regulatory subunit alpha; Human Phosphorylase b kinase regulatory subunit alpha; liver isoform (PHKA2) ELISA Kit; PHKA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PHKA2. No significant cross-reactivity or interference between Human PHKA2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	78.1 pg/mL - 5000 pg/mL
Sensitivity	39 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PHKA2 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PHKA2 in Human serum, plasma. An antibody specific for PHKA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PHKA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PHKA2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PHKA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Phosphorylase b kinase regulatory subunit alpha, liver isoform (PHKA2) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505781
NCBI GeneID	5256
NCBI Accession #	NP_000283.1
NCBI GenBank Nucleotide #	NM_000292.2
UniProt Accession #	P46019; Q6LAJ5; Q7Z6W0; Q96CR3; Q9UDA1; A8K1T1
Molecular Weight	138,408 Da

NCBI Official Full Name	phosphorylase b kinase regulatory subunit alpha, liver isoform
NCBI Official Synonym Full Names	phosphorylase kinase regulatory subunit alpha 2
NCBI Official Symbol	PHKA2
NCBI Official Synonym Symbols	PHK; PYK; XLG; PYKL; XLG2; GSD9A
NCBI Protein Information	phosphorylase b kinase regulatory subunit alpha, liver isoform
UniProt Protein Name	Phosphorylase b kinase regulatory subunit alpha, liver isoform
UniProt Gene Name	PHKA2
UniProt Synonym Gene Names	PHKLA; PYK; Phosphorylase kinase alpha L subunit

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.

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Online datasheet: <https://www.aaabiotech.com/phka2-human-elisa-kits/phosphorylase-b-kinase-regulatory-subunit-alpha/55608>