

Human Phosphorylase b kinase gamma catalytic chain ELISA Kit | PHKG2 elisa kit

Human Phosphorylase b kinase gamma catalytic chain, testis/liver isoform (PHKG2) ELISA Kit

CATALOG #
AAA55644

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphorylase b kinase gamma catalytic chain; Human Phosphorylase b kinase gamma catalytic chain; testis/liver isoform (PHKG2) ELISA Kit; PHKG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PHKG2. No significant cross-reactivity or interference between Human PHKG2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.078 ng/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 PHKG2 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PHKG2 in Human serum, plasma, tissue homogenates. An antibody specific for PHKG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PHKG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PHKG2 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 PHKG2 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 gamma catalytic chain, testis/liver isoform (PHKG2) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505785
NCBI GeneID	5261
NCBI Accession #	NP_000285.1
NCBI GenBank Nucleotide #	NM_000294.2
UniProt Accession #	P15735 ; P11800 ; A8K0C7 ; B4DEB7 ; E9PEU3

Molecular Weight	43,158 Da
NCBI Official Full Name	phosphorylase b kinase gamma catalytic chain, liver/testis isoform isoform 1
NCBI Official Synonym Full Names	phosphorylase kinase catalytic subunit gamma 2
NCBI Official Symbol	PHKG2
NCBI Official Synonym Symbols	GSD9C
NCBI Protein Information	phosphorylase b kinase gamma catalytic chain, liver/testis isoform
UniProt Protein Name	Phosphorylase b kinase gamma catalytic chain, liver/testis isoform
UniProt Gene Name	PHKG2
UniProt Synonym Gene Names	PHK-gamma-LT; PHK-gamma-T

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://www.aaabiotech.com/phkg2-human-elisa-kits/phosphorylase-b-kinase-gamma-catalytic-chain/55644>