

Human Conserved Helix Loop Helix Ubiquitous Kinase (CHUK) ELISA Kit | CHUK elisa kit

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CATALOG #
AAA149183

REACTIVITY
Human

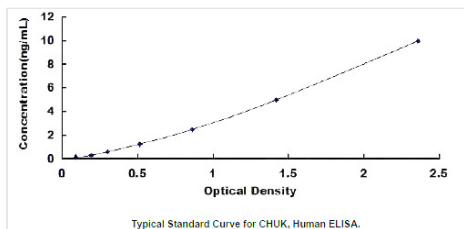
PRODUCT SYNONYMS

Conserved Helix Loop Helix Ubiquitous Kinase (CHUK); Human Conserved Helix Loop Helix Ubiquitous Kinase (CHUK) ELISA Kit; TCF16; IKK1; IKK-alpha; IkBKA; NFKBIKA; IKKA; Inhibitor of nuclear factor kappa-B kinase subunit alpha; Transcription factor 16; I-kappa-B kinase 1; CHUK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHSY1. No significant cross-reactivity or interference between CHSY1 and analogues was observed.
Sequence Length	745
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CHSY1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CHSY1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHUK elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CHSY1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CHSY1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CHSY1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CHSY1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CHSY1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CHUK elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	1079493
NCBI GeneID	12675
Molecular Weight	53,544 Da
NCBI Official Full Name	conserved helix-loop-helix ubiquitous kinase
NCBI Official Synonym Full Names	conserved helix-loop-helix ubiquitous kinase
NCBI Official Symbol	Chuk
NCBI Official Synonym Symbols	IKK1; Ikka; Chuk1; Fbx24; IKBKA; Fbxo24; NFKBIKA; AI256658; IKK alpha
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Gene Name	Chuk
UniProt Synonym Gene Names	Ikka; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkBKA; IkappaB kinase; IKK1; NFKBIKA

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/human-elisa-kits/conserved-helix-loop-helix-ubiquitous-kinase-chuk/149183>