

Human Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) ELISA Kit | RPS6Ka1 elisa kit

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CATALOG #
AAA187805

REACTIVITY
Human

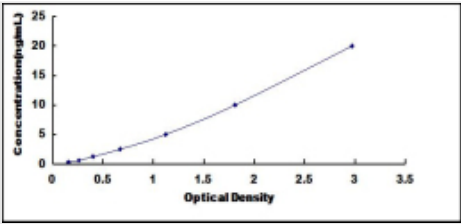
PRODUCT SYNONYMS

Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1); Human Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) ELISA Kit; HU-1; MAPKAPK1A; RSK; RSK1; S6K-alpha 1; 90 kDa ribosomal protein S6 kinase 1; MAP kinase-activated protein kinase 1a; Ribosomal S6 kinase 1; RPS6Ka1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1). No significant cross-reactivity or interference between Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) and analogues was observed.
Sequence Length	719
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 RPS6Ka1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1). 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 Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1), 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 Ribosomal Protein S6 Kinase Alpha 1 (RPS6Ka1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20149547
NCBI GeneID	6195
NCBI Accession #	NP_002944.2
NCBI GenBank Nucleotide #	NM_002953.3
UniProt Accession #	Q15418; Q5SVM5; Q5SVM8; Q5SVM9; Q96C05; Q9BQK2; A6NGG4; A8K9K7; B2RDY8; B7Z5J0; E9PRI4
Molecular Weight	81,147 Da
NCBI Official Full Name	ribosomal protein S6 kinase alpha-1 isoform a
NCBI Official Synonym Full Names	ribosomal protein S6 kinase A1
NCBI Official Symbol	RPS6KA1
NCBI Official Synonym Symbols	RSK; HU-1; RSK1; p90Rsk; MAPKAPK1A
NCBI Protein Information	ribosomal protein S6 kinase alpha-1
UniProt Protein Name	Ribosomal protein S6 kinase alpha-1
UniProt Gene Name	RPS6KA1
UniProt Synonym Gene Names	MAPKAPK1A; RSK1; S6K-alpha-1; p90-RSK 1; p90RSK1; p90S6K; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAPK-1a; RSK-1

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.