RPS6KA1/RPS6KA3/RPS6KA2/RPS6KA6 (Human) Cell-Based ELISA Kit

Catalog # KA5629 Size 1 Kit

Specification

Product Description	RPS6KA1/RPS6KA3/RPS6KA2/RPS6KA6 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of RPS6KA1/RPS6KA3/RPS6KA2/RPS6KA6 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — RPS6KA1

Entrez GeneID	6195
Protein Accession#	Q15418; P51812; Q15349; Q9UK32
Gene Name	RPS6KA1
Gene Alias	HU-1, MAPKAPK1A, RSK, RSK1

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 1
Omim ID	601684
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	OTTHUMP00000004113|S6K-alpha 1|dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1)|p90-RSK 1|ribosomal protein S6 kinase alpha 1|ribosomal protein S6 kinase, 90kD, 1|ribosomal protein S6 kinase, 90kD, polypeptide 1

Gene Info — RPS6KA2

Entrez GeneID	6196
Protein Accession#	Q15418; P51812; Q15349; Q9UK32
Gene Name	RPS6KA2
Gene Alias	HU-2, MAPKAPK1C, RSK, RSK3, S6K-alpha, S6K-alpha2, p90-RSK3, pp90RSK3
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 2
Omim ID	601685
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	ribosomal S6 kinase 3|ribosomal protein S6 kinase alpha 2|ribosomal protein S6 kinase, 90kD, polypeptide 2

Gene Info — RPS6KA3

Entrez GeneID	6197
Protein Accession#	Q15418; P51812; Q15349; Q9UK32

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Name	RPS6KA3
Gene Alias	CLS, HU-3, ISPK-1, MAPKAPK1B, MRX19, RSK, RSK2, S6K-alpha3, p90-RSK2, pp90RSK2
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 3
Omim ID	300075 303600
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinase s. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various subst rates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in this g ene have been associated with Coffin-Lowry syndrome (CLS). [provided by RefSeq
Other Designations	OTTHUMP00000023036|insulin-stimulated protein kinase 1|mental retardation, X-linked 19|ribos omal protein S6 kinase, 90kD, polypeptide 3

Gene Info — RPS6KA6

Entrez GeneID	27330
Protein Accession#	Q15418; P51812; Q15349; Q9UK32
Gene Name	RPS6KA6
Gene Alias	RSK4
Gene Description	ribosomal protein S6 kinase, 90kDa, polypeptide 6
Omim ID	300303
Gene Ontology	Hyperlink
Gene Summary	90kDa
Other Designations	OTTHUMP00000023618|bA326A14.2 (ribosomal protein S6 kinase, 90kD, polypeptide 6)|bA54 F22.1.1 (ribosomal protein S6 kinase, 90kD, polypeptide 6)|ribosomal S6 kinase 4|ribosomal pro tein S6 kinase, 90kD, polypeptide 6

Pathway

- Long-term potentiation
- Long-term potentiation

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Long-term potentiation
- Long-term potentiation
- MAPK signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- mTOR signaling pathway
- mTOR signaling pathway
- mTOR signaling pathway
- mTOR signaling pathway
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- HIV Infections

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Kidney Failure
- Neoplasm Recurrence
- Neoplasms
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.