



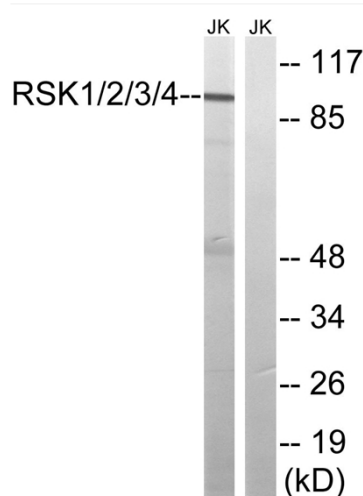
Rsk-1/2/3/4 Monoclonal Antibody

Catalog No	YP-mAb-14983
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	RPS6KA1
Immunogen	The antiserum was produced against synthesized peptide derived from human RSK1/2/3/4. AA range:191-240
Specificity	Rsk-1/2/3/4 Monoclonal Antibody detects endogenous levels of Rsk-1/2/3/4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	9 kDa ribosomal protein S6 kinase 3;CLS;HU 3;HU2;HU3;Insulin stimulated protein kinase 1;Insulin-stimulated protein kinase 1;ISPK-1;ISPK1;KS6A3_HUMAN;MAP kinase activated protein kinase 1b;MAP kinase-activated protein kinase 1b;MAPK activated protein kinase 1b;MAPK-activated protein kinase 1b;MAPKAP kinase 1b;MAPKAPK 1b;MAPKAPK-1b;MAPKAPK1B;Mental retardation;X linked 19;MRX19;OTTHUMP2336;p9 RSK2;p9 RSK3;p9-RSK 3;p9RSK3;pp9RSK2;Ribosomal protein S6 kinase 9kDa polypeptide 3;Ribosomal protein S6 kinase alpha 3;Ribosomal protein S6 kinase alpha-3;Ribosomal protein s6 kinase ii alpha 2;Ribosomal S6 kinase 2;Rps6ka3;RSK;RSK-2;RSK2;S6 kinase 2;S6K alpha3;S6K-alpha-3;9 kDa ribosomal protein S6 kinase 2;HU 2;KS6A2_HUMAN;MAP kinase activated protein kinase 1c;MAP kinase-activated protein kinase 1c;MAPK-activated protein kinase 1c;MAPKAP kinase 1c;MAPKAPK-1c;MAPKAPK1C;Mitogen.activated protein kinase-activated protein kinase 1C;p9-RSK 2;p9RSK;RSK1/2/3/4;RPS6KA1;Ribosomal protein S6 kinase alpha-1;MAPKAPK1A;RSK1;S6K-alpha-1;90 kDa ribosomal protein S6 kinase 1;p90-RSK 1;p90RSK1;p90S6K;MAP kinase-activated protein kinase 1a;MAPK-activated protein kinase 1a;MAPKAP kinase 1a;MAPKAP
Observed Band	90kD
Calculated Molecular Weight	90kD



Cell Pathway	Nucleus. Cytoplasm.
Tissue Specificity	Colon, Epithelium,
Function	catalytic activity: ATP + a protein = ADP + a phosphoprotein., caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data., cofactor: Magnesium., enzyme regulation: Activated by multiple phosphorylations on threonine and serine residues., function: Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB., PTM: Autophosphorylated on Ser-380, as part of the activation process., similarity: Belongs to the protein kinase superfamily., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 2 protein kinase domains., subunit: Forms a complex with either ERK1 or ERK2 in quiescent cells. Transiently dissociates following mitogenic s
Background	ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens 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, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jurkat cells, using RSK1/2/3/4 Antibody. The lane on the right is blocked with the synthesized peptide.