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Rabbit Anti-Phospho-RSK3 (Thr356 + Ser360) antibody

SL3366R

Product Name:	Phospho-RSK3 (Thr356 + Ser360)
Chinese Name:	磷酸化核糖体蛋白S6激酶家族RSK3抗体
Alias:	RSK3 (Phospho Thr356 + Ser360); RSK3 (Phospho T356 + S360); 90 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; p90-RSK 2; p90RSK 2; p90RSK2; pp90RSK 3; pp90RSK3; Ribosomal protein S6 kinase alpha-2; Ribosomal S6 kinase 3; RPS6KA2; RSK 3; RSK-3; S6K alpha 2; S6K alpha; S6K-alpha-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	83kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human RSK3 around the phosphorylation site of Thr356/Ser360:AR(p-T)PTD(p-S)PG
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

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	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, Jul 2008]. **Function:** Serine/threonine-protein kinase that acts downstream ofERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenicand stress-induced activation of transcription factors, regulatestranslation, and mediates cellular proliferation, survival, anddifferentiation. May function as tumor suppressor in epithelialovarian cancer cells. **Subunit:** Forms a complex with either MAPK1/ERK2 or MAPK3/ERK1 inquiescent cells. Transiently dissociates following mitogenicstimulation. **Subcellular Location:** Nucleus. Cytoplasm. **Tissue Specificity:** Widely expressed with higher expression inlung, skeletal muscle, brain, uterus, ovary, thyroid and prostate. **Post-translational modifications:** Activated by phosphorylation at Ser-218 by PDPK1.Autophosphorylated on Ser-377, as part of the activation process.May be phosphorylated at Thr-356 and Ser-360 by MAPK1/ERK2 andMAPK3/ERK1. N-terminal myristoylation results in an activated kinase inthe absence of added growth factors. **Similarity:** Belongs to the protein kinase superfamily. AGC Ser/Thrprotein kinase family. S6 kinase subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 2 protein kinase domains. **SWISS:** Q15349 **Gene ID:** 6196 **Database links:**

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	Entrez Gene: 6196 Human Entrez Gene: 20112 Mouse Entrez Gene: 117269 Rat Omim: 601685 Human SwissProt: Q15349 Human SwissProt: Q9WUT3 Mouse Unigene: 655277 Human Unigene: 268383 Mouse Unigene: 2356 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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