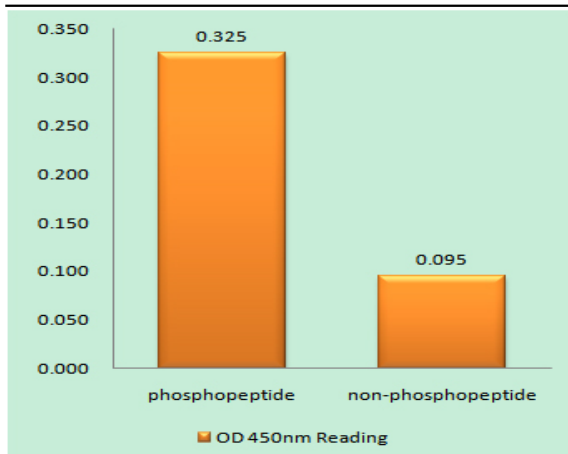


Rsk-1 (phospho Thr359/S363) Polyclonal Antibody

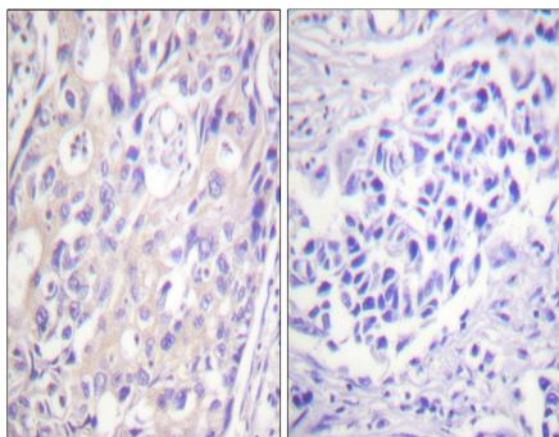
Catalog No :	YP0665
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Rsk-1
Fields :	>>MAPK signaling pathway;>>Oocyte meiosis;>>mTOR signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Progesterone-mediated oocyte maturation;>>Insulin resistance;>>Yersinia infection;>>Chemical carcinogenesis - receptor activation
Gene Name :	RPS6KA1
Protein Name :	Ribosomal protein S6 kinase alpha-1
Human Gene Id :	6195
Human Swiss Prot No :	Q15418
Mouse Swiss Prot No :	P18653
Rat Gene Id :	81771
Rat Swiss Prot No :	Q63531
Immunogen :	The antiserum was produced against synthesized peptide derived from human p90 RSK around the phosphorylation site of Thr359 and Ser363. AA range:331-380
Specificity :	Phospho-Rsk-1 (T359/S363) Polyclonal Antibody detects endogenous levels of Rsk-1 protein only when phosphorylated at T359/S363.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	83kD
Cell Pathway :	Regulates Angiogenesis; Insulin Receptor; B Cell Receptor; AMPK
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],
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
Subcellular Location :	Nucleus. Cytoplasm.
Expression :	Colon,Epithelium,

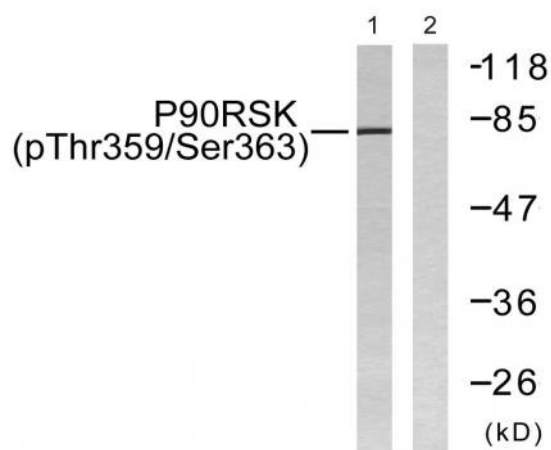
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p90 RSK (Phospho-Thr359+Ser363) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using p90 RSK (Phospho-Thr359+Ser363) Antibody. The picture on the right is blocked with the phosphopeptide.



Western blot analysis of lysates from 293 cells treated with PMA 125ng/ml 30', using p90 RSK (Phospho-Thr359+Ser363) Antibody. The lane on the right is blocked with the phosphopeptide.