

Rsk-1 (phospho Thr359/S363) Polyclonal Antibody

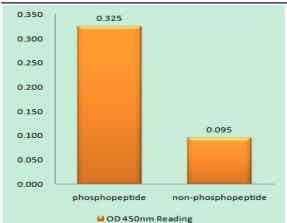
| Catalog No : | YP0665 |
|--------------------------|---|
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;IHC;IF;ELISA |
| Target : | Rsk-1 |
| Fields : | >>MAPK signaling pathway;>>Oocyte meiosis;>>mTOR signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Progesterone-mediated 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 | 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 |



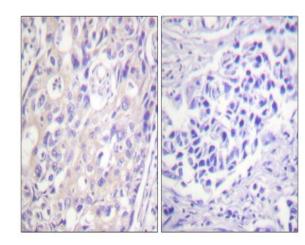
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|---------------------------------------|---|
| Dilution : | WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000 IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific 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 family.,similarity:Belongs to the protein kinase C-terminal domain.,similarity:Contains 1 AGC-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, |
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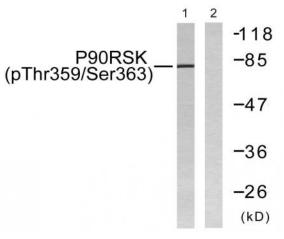
Products Images





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 phospho peptide.

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 phospho peptide.