Best Tools for immunology Research

# RSK2 (Phospho Tyr529) rabbit pAb

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| **Catalog No :** | YP1775 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | WB |
| **Target :** | RSK2 |
| **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 :** | RPS6KA3 ISPK1 MAPKAPK1B RSK2 |
| **Protein Name :** | RSK2 (Phospho-Tyr529) |
| **Human Gene Id :** | 6197 |
| **Human Swiss Prot No :** | P51812 |
| **Mouse Gene Id :** | 110651 |
| **Mouse Swiss Prot No :** | P18654 |
| **Immunogen :** | Synthesized peptide derived from human RSK2 (Phospho-Tyr529) |
| **Specificity :** | This antibody detects endogenous levels of RSK2 (Phospho-Tyr529) at Human, Mouse,Rat |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | WB 1:500-2000 |
| **Purification :** | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

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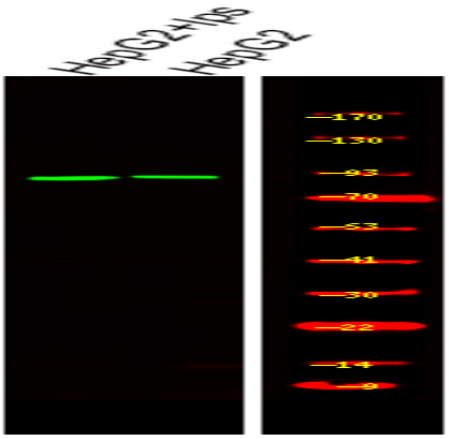
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Molecularweight :** | 81kD |
| **Background :** | ribosomal protein S6 kinase A3(RPS6KA3) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine 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. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS). [provided by RefSeq, Jul 2008], |
| **Function :** | catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,disease:Defects in RPS6KA3 are the cause of Coffin-Lowry syndrome (CLS) [MIM:303600]; an X-linked dominant disorder characterized by severe mental retardation with facial and digital dysmorphisms, and progressive skeletal deformations.,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-386, as part of the activation process.,PTM:Ser-227 phosphorylation promotes Ser-386 phosphorylation and leads to basal activation. Full activation by growth factors requires additional phosphorylation on Ser-369.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase |
| **Subcellular Location :** | Nucleus . Cytoplasm . |
| **Expression :** | Expressed in many tissues, highest levels in skeletal muscle. |
| **Sort :** | 25254 |
| **No4 :** | 1 |
| **Host :** | Rabbit |
| **Modifications :** | Phospho |

## Products Images




Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000