

## Rsk-4 Polyclonal Antibody

<b>Catalog No :</b>	YT4185
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Rsk-4
<b>Fields :</b>	>>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
<b>Gene Name :</b>	RPS6KA6
<b>Protein Name :</b>	Ribosomal protein S6 kinase alpha-6
<b>Human Gene Id :</b>	27330
<b>Human Swiss Prot No :</b>	Q9UK32
<b>Mouse Swiss Prot No :</b>	Q7TPS0
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human S6K-alpha6. AA range:661-710
<b>Specificity :</b>	Rsk-4 Polyclonal Antibody detects endogenous levels of Rsk-4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 84kD

**Cell Pathway :** Insulin Receptor; Regulates Angiogenesis; mTOR; B Cell Receptor; AMPK

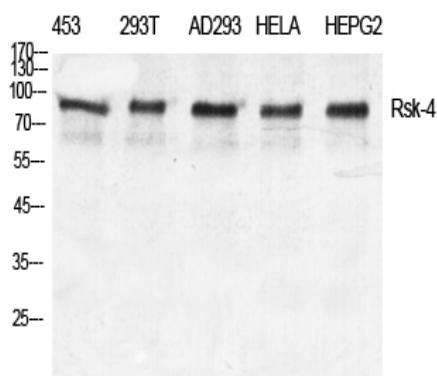
**Background :** ribosomal protein S6 kinase A6(RPS6KA6) Homo sapiens This gene encodes a member of ribosomal S6 kinase family, serine-threonine protein kinases which are regulated by growth factors. The encoded protein may be distinct from other members of this family, however, as studies suggest it is not growth factor dependent and may not participate in the same signaling pathways. [provided by RefSeq, Jan 2010],

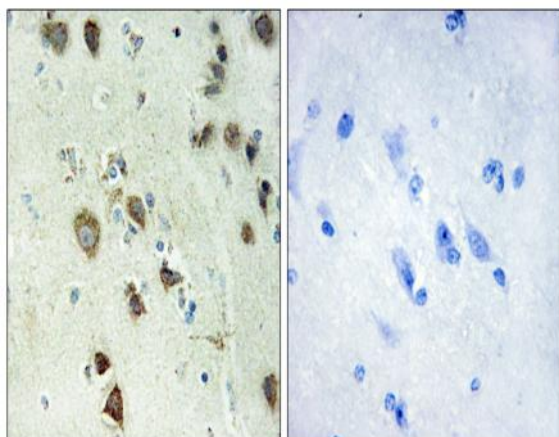
**Function :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by multiple phosphorylations on threonine and serine residues.,function:Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.,PTM:Autophosphorylated on Ser-389, as part of the activation process.,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 stimulation.,

**Subcellular Location :** Cytoplasm, cytosol . Nucleus . Predominantly cytosolic.

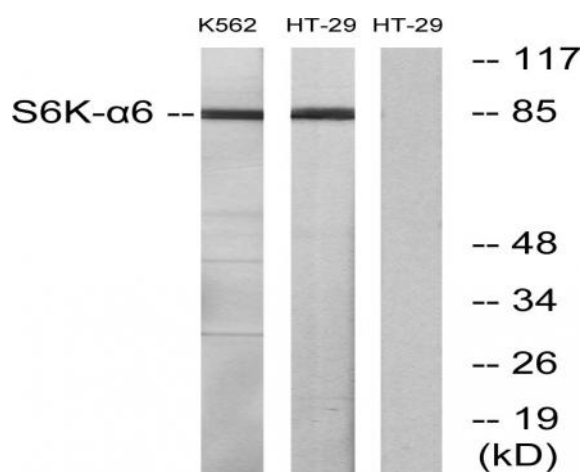
## Products Images

Western Blot analysis of various cells using Rsk-4 Polyclonal Antibody diluted at 1:500





Immunohistochemistry analysis of paraffin-embedded human brain tissue, using S6K-alpha6 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 and HT-29 cells, using S6K-alpha6 Antibody. The lane on the right is blocked with the synthesized peptide.