

## RSK3 Polyclonal Antibody

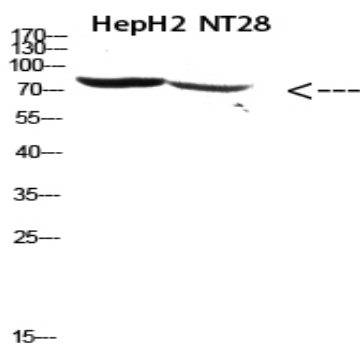
<b>Catalog No :</b>	YT5839
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	RSK3
<b>Fields :</b>	>>MAPK signaling pathway;>>Oocyte meiosis;>>mTOR signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Progesterone-mediated oocyte maturation;>>Insulin resistance;>>Yersinia infection;>>Chemical carcinogenesis - receptor activation
<b>Gene Name :</b>	RPS6KA2 MAPKAPK1C RSK3
<b>Protein Name :</b>	ribosomal protein S6 kinase, 90kDa, polypeptide 2; hypothetical LOC100127984
<b>Human Gene Id :</b>	6196
<b>Human Swiss Prot No :</b>	Q15349
<b>Mouse Gene Id :</b>	20112
<b>Mouse Swiss Prot No :</b>	Q9WUT3
<b>Immunogen :</b>	Synthetic peptide from human protein at AA range: 330-400
<b>Specificity :</b>	The antibody detects endogenous RSK3 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: 1:5000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

---

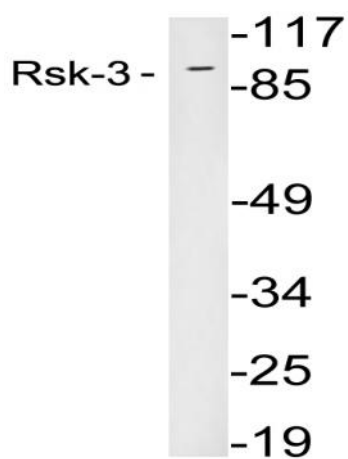
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	80kD
<b>Cell Pathway :</b>	MAPK_ERK_Growth;MAPK_G_Protein;Oocyte meiosis;mTOR;Long-term potentiation;Neurotrophin;Progesterone-mediated oocyte maturation;
<b>Background :</b>	ribosomal protein S6 kinase A2(RPS6KA2) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two 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. Alternative splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jan 2016],
<b>Function :</b>	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-377, 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 stimulation.,tissue specificity:Expressed in many tissues. Highest expression in lung and skeletal muscle.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm .
<b>Expression :</b>	Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate.

---

## Products Images



Western Blot analysis of hepg2, NT28 cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from 293 cells, using Rsk-3 antibody.