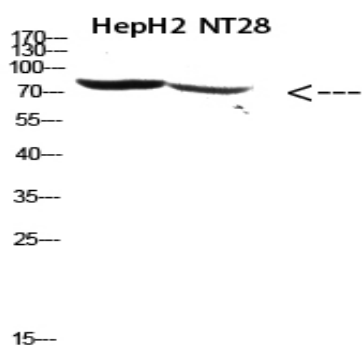


RSK3 Polyclonal Antibody

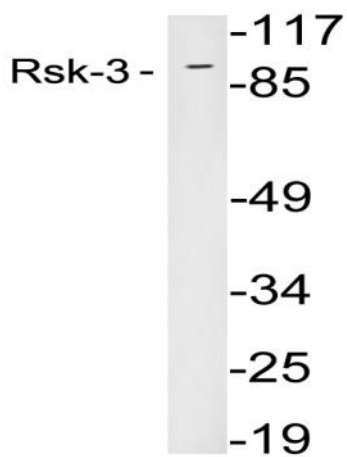
Catalog No :	YT5839
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	RSK3
Fields :	>>MAPK signaling pathway;>>Oocyte meiosis;>>mTOR signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Progesterone-mediated oocyte maturation;>>Insulin resistance;>>Yersinia infection;>>Chemical carcinogenesis - receptor activation
Gene Name :	RPS6KA2 MAPKAPK1C RSK3
Protein Name :	ribosomal protein S6 kinase, 90kDa, polypeptide 2; hypothetical LOC100127984
Human Gene Id :	6196
Human Swiss Prot No :	Q15349
Mouse Gene Id :	20112
Mouse Swiss Prot No :	Q9WUT3
Immunogen :	Synthetic peptide from human protein at AA range: 330-400
Specificity :	The antibody detects endogenous RSK3 protein
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 :	80kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;Oocyte meiosis;mTOR;Long-term potentiation;Neurotrophin;Progesterone-mediated oocyte maturation;
Background :	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],
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-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.,
Subcellular Location :	Nucleus . Cytoplasm .
Expression :	Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate.
Tag :	orthogonal
Sort :	14631
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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.