Product Name: RSK3 Rabbit Polyclonal Antibody
Catalog #: APRab17409
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	80kDa

Antigen Information

Gene Name	RPS6KA2 MAPKAPK1C RSK3
Alternative Names	RPS6KA2 MAPKAPK1C RSK3
Gene ID	6196.0
SwissProt ID	Q15349
Immunogen	Synthetic peptide from human protein at AA range: 330-400

Background

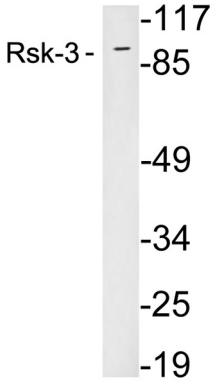
ribosomal protein S6 kinase A2(RPS6KA2) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two non-identical kinase catalytic domains and phosphorylates various

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],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.,

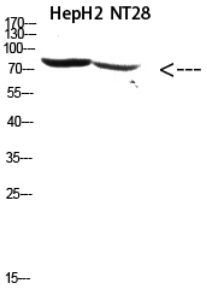
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;Oocyte meiosis;mTOR;Long-term potentiation;Neurotrophin;Progesterone-mediated oocyte maturation;

Image Data



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



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