Product Name: **Rsk-4 Rabbit Polyclonal Antibody**
Catalog #: **APRab17411**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,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 1:5000-1:20000
Molecular Weight	84kDa

Antigen Information

Gene Name	RPS6KA6
Alternative Names	RPS6KA6; RSK4; Ribosomal protein S6 kinase alpha-6; S6K-alpha-6; 90 kDa ribosomal protein S6 kinase 6; p90-RSK 6; p90RSK6; Ribosomal S6 kinase 4; RSK-4; pp90RSK4
Gene ID	27330.0
SwissProt ID	Q9UK32
Immunogen	The antiserum was produced against synthesized peptide derived from human S6K-alpha6. AA range:661-710

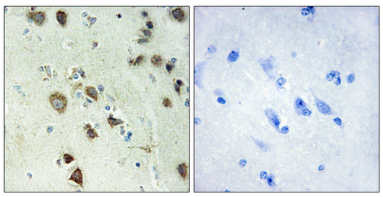
Background

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],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.,

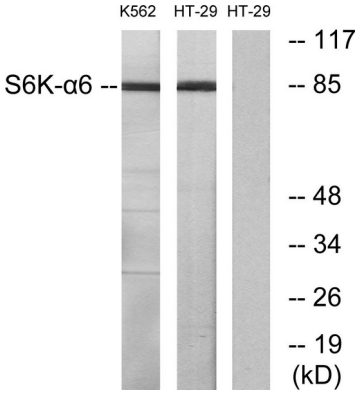
Research Area

Insulin Receptor; Regulates Angiogenesis; mTOR; B Cell Receptor; AMPK

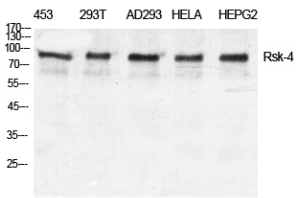
Image Data



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.



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