Immunoway
Best Tools for immunology Research

p90RSK mouse mAb

Catalog No :	YM1443
Reactivity :	Human;Mouse;Monkey
Applications :	WB;IP
Target :	Rsk-1
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 :	rps6ka1
Human Gene Id :	6195
Human Swiss Prot No :	Q15418
Mouse Swiss Prot No :	P18653
Immunogen :	Purified recombinant human p90RSK protein fragments expressed in E.coli.
Specificity :	This antibody detects endogenous levels of p90RSK and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000
Purification :	The antibody was affinity-purified from mouse ascites 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 : 90kD

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

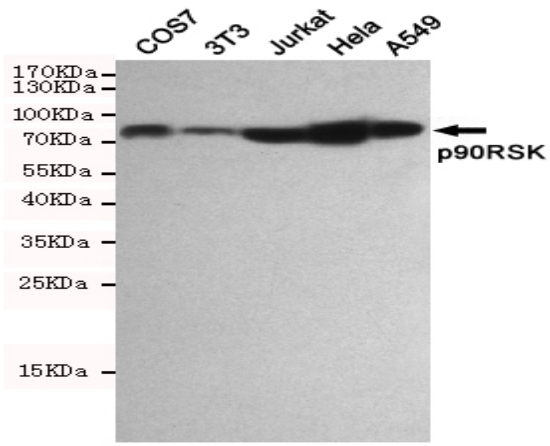
Background : ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],

Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,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-380, 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 s

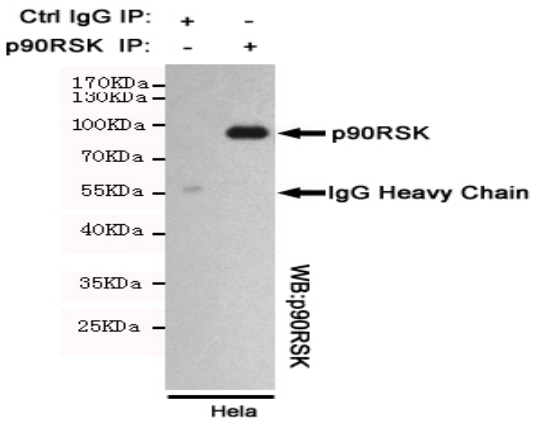
Subcellular Location : Nucleus. Cytoplasm.

Expression : Colon,Epithelium,

Products Images



Western blot detection of p90RSK in COS7,3T3,Jurkat,Hela and A549 cell lysates using p90RSK mouse mAb(dilution 1:1000).Predicted band size:90KDa.Observed band size:90KDa.



Immunoprecipitation analysis of Hela cell lysates using p90RSK mouse mAb.