



Rsk-1 Monoclonal Antibody

Catalog No	YP-Ab-14190
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	RPS6KA1
Immunogen	Purified recombinant fragment of human Rsk-1 expressed in E. Coli.
Specificity	Rsk-1 Monoclonal Antibody detects endogenous levels of Rsk-1 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	p RPS6KA1;p RPS6KA1 (Ser380);p RPS6KA1 Ser380;Phospho RPS6KA1;Rsk-1;RPS6KA1;Ribosomal protein S6 kinase alpha-1;MAPKAPK1A;RSK1;S6K-alpha-1;90 kDa ribosomal protein S6 kinase 1;p90-RSK 1;p90RSK1;p90S6K;MAP kinase-activated protein kinase 1a;MAPK-activated protein kinase 1a;MAPKAP kinase 1a;MAPKAP
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus. Cytoplasm.
Tissue Specificity	Colon,Epithelium,
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

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],

matters needing attention

Avoid repeated freezing and thawing!

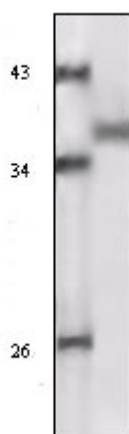
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

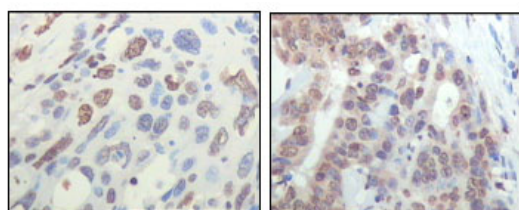


Products Images

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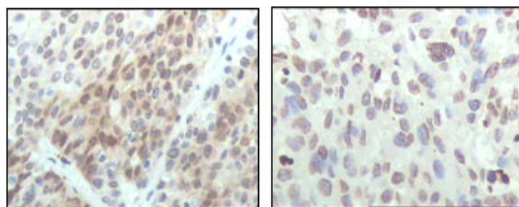


Western Blot analysis using Rsk-1 Monoclonal Antibody against truncated Rsk-1 recombinant protein.



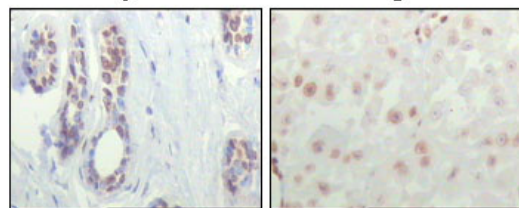
A

B



C

D



E

F

Immunohistochemistry analysis of paraffin-embedded human esophageal squamous cell carcinoma (A), colon adenocarcinoma (B), liver carcinoma (C), skin carcinoma (D), breast ductal tumor (E) and brain tumor (F), showing nuclear localization with DAB staining