



P70 S6 Kinase mouse Monoclonal Antibody(1C7)

Catalog No	YP-Ab-14249
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	IHC;IF
Gene Name	RPS6KB1 STK14A P70S6K
Immunogen	Recombinant Protein of P70 S6 Kinase of RPS6KB1
Specificity	P70 S6 Kinase protein detects endogenous levels of RPS6KB1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC 1:100-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	p70 alpha;p70 ribosomal S6 kinase alpha;p70 S6 kinase alpha;p70 S6K;p70 S6K 1;p70 S6K alpha;p70;p70 S6 kinase α;RPS6KB1 STK14A P70S6K; Ribosomal protein S6 kinase beta-1;RPS6KB1
Observed Band	70,85kD
Calculated Molecular Weight	70,85kD
Cell Pathway	Cell junction, synapse, synaptosome . Mitochondrion outer membrane. Mitochondrion. Colocalizes with URI1 at mitochondrion.; [Isoform Alpha I]: Nucleus. Cytoplasm.; [Isoform Alpha II]: Cytoplasm.
Tissue Specificity	Widely expressed.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activation by serine/threonine phosphorylation and protein kinase C, inactivated by type 2A phosphatase.,function:Phosphorylates specifically ribosomal protein S6 in response to insulin or several classes of mitogens., 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 1 protein kinase domain.,subunit:Interacts with PPP1R9A/ neurabin-1.,tissue specificity:Widely expressed.,



Background

ribosomal protein S6 kinase B1(RPS6KB1) Homo sapiens This gene encodes a member of the ribosomal S6 kinase family of serine/threonine kinases. The encoded protein responds to mTOR (mammalian target of rapamycin) signaling to promote protein synthesis, cell growth, and cell proliferation. Activity of this gene has been associated with human cancer. Alternatively spliced transcript variants have been observed. The use of alternative translation start sites results in isoforms with longer or shorter N-termini which may differ in their subcellular localizations. There are two pseudogenes for this gene on chromosome 17. [provided by RefSeq, Jan 2013],

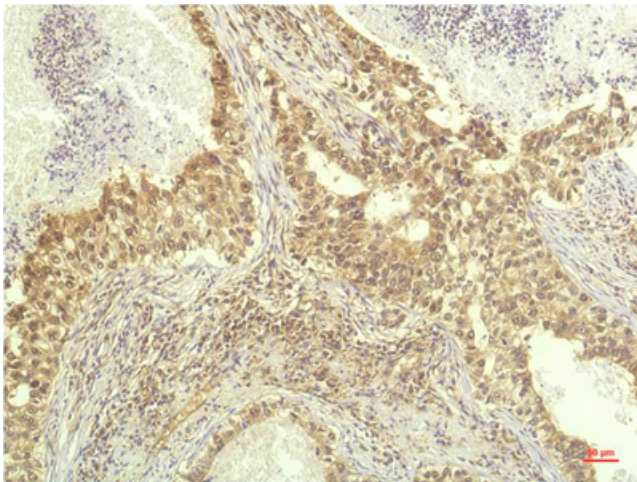
matters needing attention

Avoid repeated freezing and thawing!

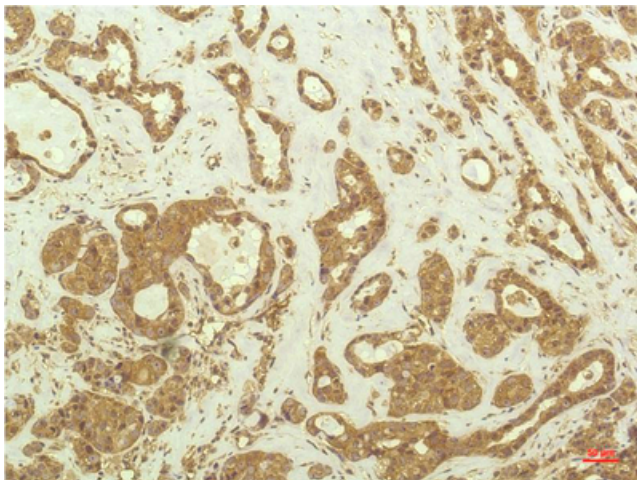
Usage suggestions

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

Products Images



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using P70 S6 Kinase Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma Tissue using P70 S6 Kinase Mouse mAb diluted at 1:200.