



p70 S6 kinase β Monoclonal Antibody

Catalog No	YP-mAb-14889
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RPS6KB2
Immunogen	The antiserum was produced against synthesized peptide derived from human p70 S6 Kinase beta. AA range:389-438
Specificity	p70 S6 kinase β Monoclonal Antibody detects endogenous levels of p70 S6 kinase β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	7 kDa ribosomal protein S6 kinase 1;KS6B1_HUMAN;p7 alpha;P7 beta 1;p7 ribosomal S6 kinase alpha;p7 ribosomal S6 kinase beta 1;p7 S6 kinase alpha;P7 S6 Kinase;alpha 1;alpha 2;p7 S6K;p7 S6K-alpha;p7 S6KA;p7(S6K) alpha;p7(S6K)-alpha;p7-alpha;p7-S6K 1;p7-S6K;P7S6K;P7S6K1;p7S6Kb;PS6K;Ribosomal protein S6 kinase 7kDa polypeptide 1;Ribosomal protein S6 kinase beta 1;Ribosomal protein S6 kinase beta-1;Ribosomal protein S6 kinase I;RPS6KB1;S6K;S6K-beta-1;S6K1;Serine/threonine kinase 14 alpha;Serine/threonine-protein kinase 14A;STK14A;P70S6k;RPS6KB2;Ribosomal protein S6 kinase beta-2;STK14B;S6K-beta-2;S6K2;70 kDa ribosomal protein S6 kinase 2;P70S6K2;p70-S6K 2;S6 kinase-related kinase;SRK;Serine/threonine-protein kinase 14B;p70 ribosomal S6 kinase beta;S6K-beta;p70
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Cytoplasm. Nucleus.
Tissue Specificity	Brain,Epithelium,Lymph,



Function

catalytic activity:ATP + a protein = ADP + a phosphoprotein.,
function:Phosphorylates specifically ribosomal protein S6.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,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.,

Background

ribosomal protein S6 kinase B2(RPS6KB2) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains a kinase catalytic domain and phosphorylates the S6 ribosomal protein and eukaryotic translation initiation factor 4B (eIF4B). Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation. [provided by RefSeq, Jan 2015],

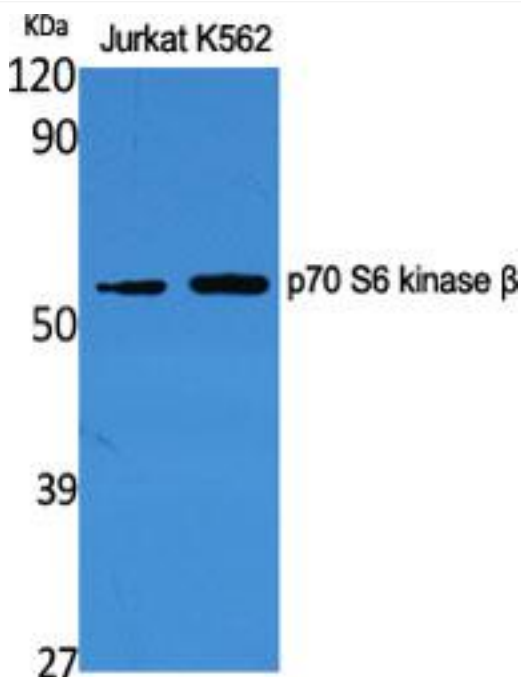
matters needing attention

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



Western Blot analysis of various cells using p70 S6 kinase β Monoclonal Antibody