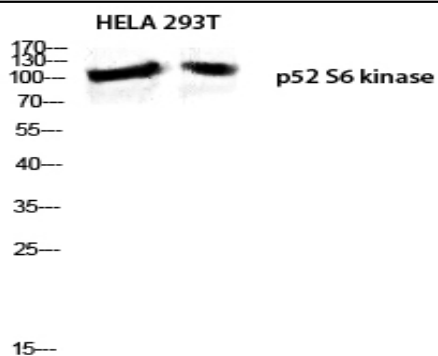


p52 S6 kinase Polyclonal Antibody

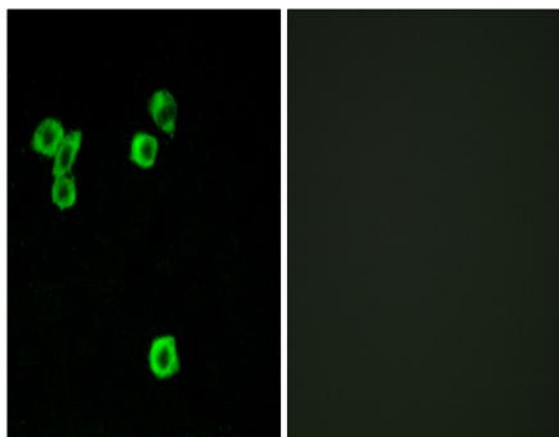
Catalog No :	YT3523
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	p52 S6 kinase
Gene Name :	RPS6KC1
Protein Name :	Ribosomal protein S6 kinase delta-1
Human Gene Id :	26750
Human Swiss Prot No :	Q96S38
Mouse Gene Id :	320119
Mouse Swiss Prot No :	Q8BLK9
Immunogen :	The antiserum was produced against synthesized peptide derived from human RPS6KC1. AA range:231-280
Specificity :	p52 S6 kinase Polyclonal Antibody detects endogenous levels of p52 S6 kinase protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum 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 :	117kD
Cell Pathway :	Regulates Angiogenesis; Insulin Receptor; B Cell Receptor; AMPK
Background :	<p>catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:Instead of Lys-820, Arg-820 is found at the binding site.,domain:The first protein kinase domain appears to be a pseudokinase domain as it does not contain the classical characteristics, such as the ATP-binding motif, ATP-binding site and active site.,function:May be involved in transmitting sphingosine-1 phosphate (SPP)-mediated signaling into the cell.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 MIT domain.,similarity:Contains 1 PX (phox homology) domain.,similarity:Contains 2 protein kinase domains.,subcellular location:Also found in some small dot-like or ring-shaped early endosome structures.,subunit:Interacts with SPHK1 and phosphatidylinositol 3-phosphate.,tissue specificity:Highly expressed in testis, skeletal muscle, brain, heart, placenta, kidney and liver and weakly expressed in thymus, small intestine, lung and colon.,</p>
Function :	<p>catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:Instead of Lys-820, Arg-820 is found at the binding site.,domain:The first protein kinase domain appears to be a pseudokinase domain as it does not contain the classical characteristics, such as the ATP-binding motif, ATP-binding site and active site.,function:May be involved in transmitting sphingosine-1 phosphate (SPP)-mediated signaling into the cell.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 MIT domain.,similarity:Contains 1 PX (phox homology) domain.,similarity:Contains 2 protein kinase domains.,subcellular location:Also found in some small dot-like or ring-shaped early endosome structures.,subunit:Interacts with SPHK1 and phosphatidylinositol 3-phosphate.,tissue specificity:Highly expressed in testis, skeletal muscle, brain, hear</p>
Subcellular Location :	Cytoplasm . Membrane . Early endosome .
Expression :	Highly expressed in testis, skeletal muscle, brain, heart, placenta, kidney and liver and weakly expressed in thymus, small intestine, lung and colon.

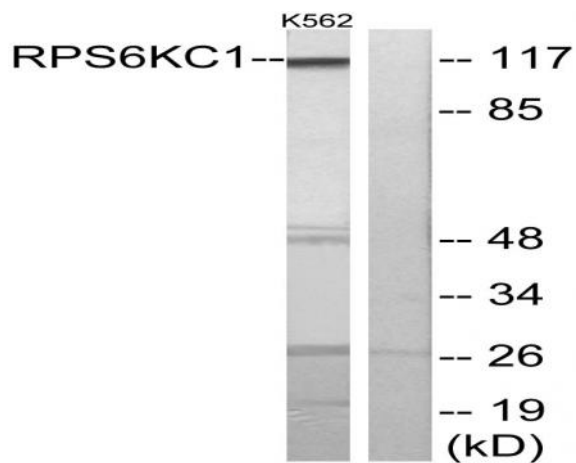
Products Images



Western blot analysis of HELA 293T lysis using p52 S6 kinase antibody. Antibody was diluted at 1:500



Immunofluorescence analysis of LOVO cells, using RPS6KC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using RPS6KC1 Antibody. The lane on the right is blocked with the synthesized peptide.

