Product Name: Ribosomal Protein S6 (phospho Ser235) Rabbit Polyclonal Antibody
Catalog #: APRab05371

Summary

Production Name	Ribosomal Protein S6 (phospho Ser235) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	RPS6
Alternative Names	RPS6; OK/SW-cl.2; 40S ribosomal protein S6; Phosphoprotein NP33
Gene ID	6194.0
SwissProt ID	P62753.The antiserum was produced against synthesized peptide derived from human S6 Ribosomal Protein around the phosphorylation site of Ser235. AA range:200-249

Application

Dilution Ratio	WB 1:500-2000 ELISA 2000-20000
Molecular Weight	32kD

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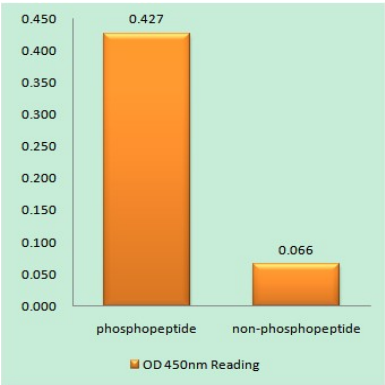
Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processedfunction:May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.,PTM:Ribosomal protein S6 is the major substrate of protein kinases in eukaryote ribosomes. The phosphorylation is stimulated by growth factors, tumor promoting agents, and mitogens. It is dephosphorylated at growth arrest.,similarity:Belongs to the ribosomal protein S6e family.,

Research Area

Ribosome;mTOR;Insulin_Receptor;

Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using S6 Ribosomal Protein (Phospho-Ser235) Antibody

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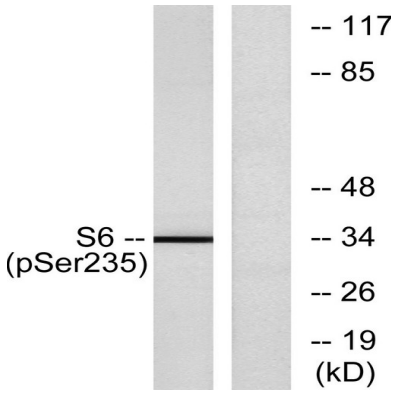

Western blot analysis of lysates from 293 cells treated with serum 10% 15 ', using S6 Ribosomal Protein (Phospho-Ser235) Antibody. The lane on the right is blocked with the phospho peptide.

Note

For research use only.