

ARG51722 anti-S6 Ribosomal Protein phospho (Ser235) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes S6 Ribosomal Protein phospho (Ser235)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	S6 Ribosomal Protein
Species	Human
Immunogen	Peptide sequence around phosphorylation site of serine 235 (R-L-S(p)-S-L) derived from Human S6 Ribosomal Protein.
Conjugation	Un-conjugated
Alternate Names	Phosphoprotein NP33; 40S ribosomal protein S6; S6

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

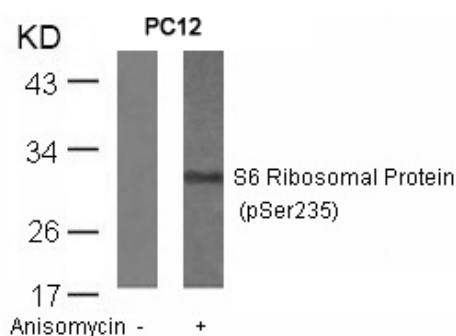
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

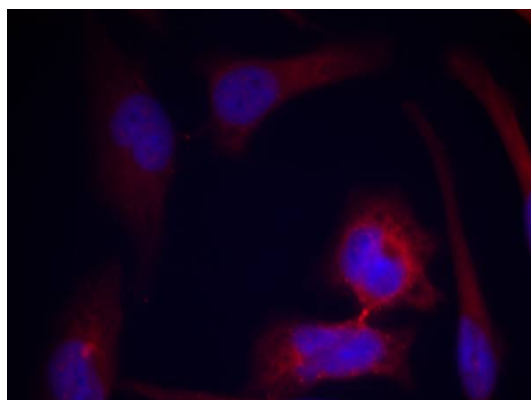
Gene Symbol	RPS6
Gene Full Name	ribosomal protein S6
Background	May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.
Function	May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	29 kDa
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. Phosphorylated at Ser-235 and Ser-236 by RPS6KA1 and RPS6KA3; phosphorylation at these sites facilitates the assembly of the preinitiation complex.

Images



ARG51722 anti-S6 Ribosomal Protein phospho (Ser235) antibody WB image

Western blot: Extracts from PC12 cells untreated or treated with anisomycin stained with ARG51722 anti-S6 Ribosomal Protein phospho (Ser235) antibody.



ARG51722 anti-S6 Ribosomal Protein phospho (Ser235) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51722 anti-S6 Ribosomal Protein phospho (Ser235) antibody.