ARG51205
anti-S6 Ribosomal Protein antibody

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

Summary

Product Description	Rabbit Polyclonal antibody recognizes S6 Ribosomal Protein
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	S6 Ribosomal Protein
Species	Human
Immunogen	Peptide sequence around aa. 233~237 (R-L-S-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
IHC-P	1:50 - 1:100
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.

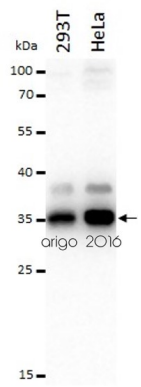
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic peptide. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Buffer	PBS (without Mg2+ and Ca2+, 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

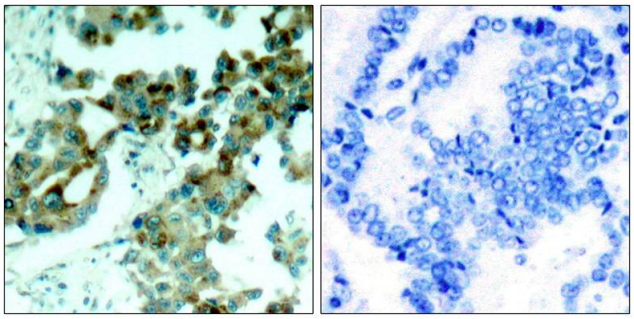
Database links	GeneID: 6194 Human Swiss-port # P62753 Human
Gene Symbol	RPS6
Gene Full Name	ribosomal protein S6
Background	May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.
Function	May play an important role in controlling 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



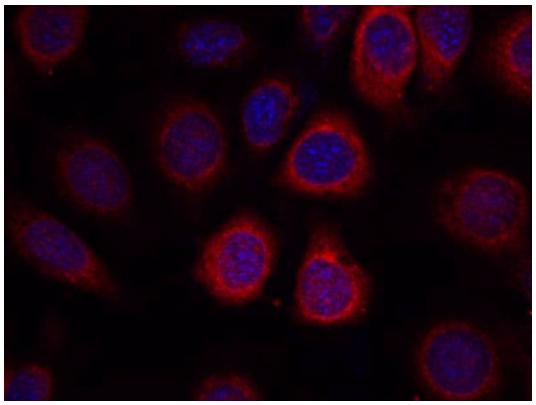
ARG51205 anti-S6 Ribosomal Protein antibody WB image

Western blot: 20 µg of 293T and HeLa cell lysates stained with ARG51205 anti-S6 Ribosomal Protein antibody at 1:500 dilution.



ARG51205 anti-S6 Ribosomal Protein antibody IHC-P image

Immunohistochemistry: paraffin- embedded human lung carcinoma tissue stained with anti-S6 Ribosomal Protein antibody ARG51205 (left) or the same antibody preincubated with blocking peptide (right).



ARG51205 anti-S6 Ribosomal Protein antibody ICC/IF image

Immunofluorescence: methanol-fixed MCF7 cells stained with anti-S6 Ribosomal Protein antibody ARG51205.