

Ribosomal Protein S6 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07892
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human S6 Ribosomal Protein. AA range:200-249
Mol wt	28681
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	Ribosomal Protein S6 Antibody
Synonyms	RPS6; OK/SW-cl.2; 40S ribosomal protein S6; Phosphoprotein NP33

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. RPS6 encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. 40S ribosomal protein S6 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 processed pseudogenes of this gene dispersed through the genome.

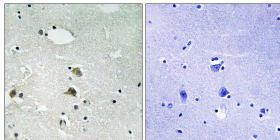
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using S6 Ribosomal Protein Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year