



Datasheet for ABIN5647262 **anti-RPS6 antibody (AA 13-52)**



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4 Images

Overview

Quantity:	100 µg
Target:	RPS6
Binding Specificity:	AA 13-52
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 13-52 (QKLIEVDDERKLRTFYEKRMATEVAADALGEEWKGYYVRI) from the human protein were used as the immunogen for the RPS6 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	RPS6
Alternative Name:	RPS6 (RPS6 Products)
Background:	Ribosomal protein S6 (rpS6) is a component of the 40S ribosomal subunit and is therefore thought to be involved in regulating translation. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are

Target Details

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 processed pseudogenes of this gene dispersed through the genome. While the true function of rpS6 is currently under investigation, studies have shown that it is involved in the regulation of cell size, cell proliferation, and glucose homeostasis.

UniProt: [P62753](#)

Pathways: [Carbohydrate Homeostasis](#), [Ribonucleoprotein Complex Subunit Organization](#), [Ribosome Assembly](#)

Application Details

Application Notes: Optimal dilution of the RPS6 antibody should be determined by the researcher. \. WB: 0.5-1 μ g/mL, IHC (FFPE): 1-2 μ g/mL

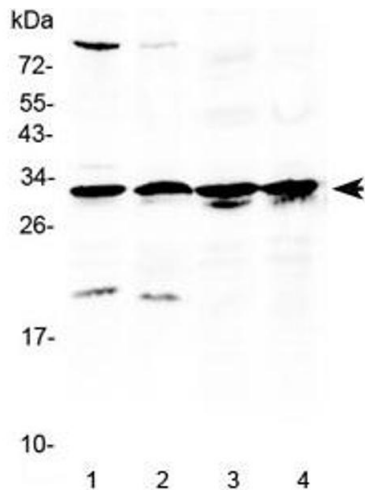
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

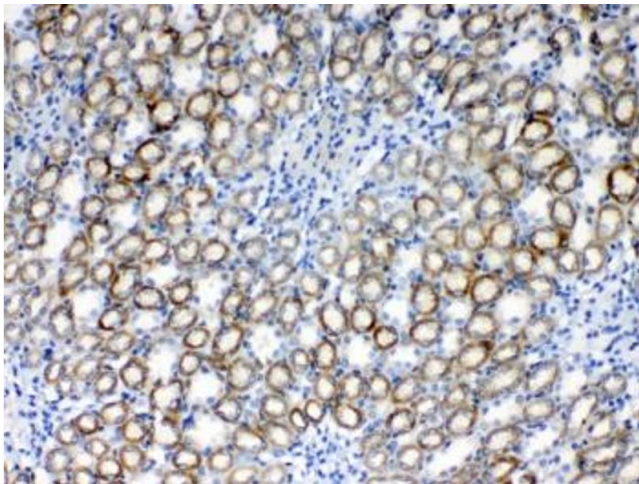
Storage: -20 °C

Storage Comment: After reconstitution, the RPS6 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



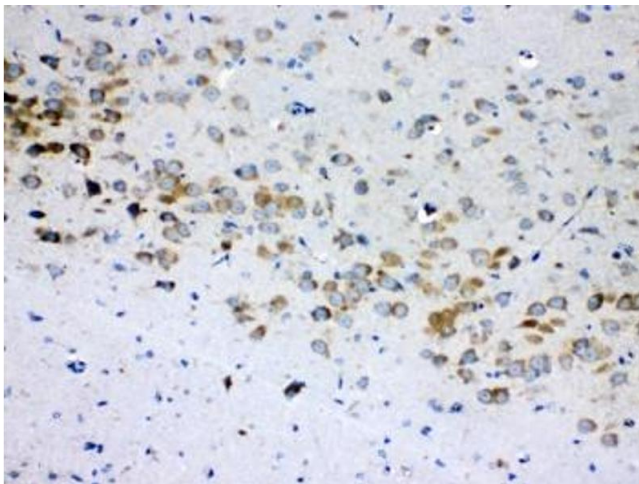
Western Blotting

Image 1. Western blot testing of 1) rat testis, 2) mouse testis, 3) human MCF7 and 4) human A549 lysate with RPS6 antibody at 0.5ug/ml. Predicted molecular weight ~29 kDa.



Immunohistochemistry

Image 2. IHC testing of FFPE rat kidney tissue with RPS6 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Immunohistochemistry

Image 3. IHC testing of FFPE rat brain tissue with RPS6 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5647262.