


Product datasheet

Anti-RPS6 antibody - Ribosome Marker ab70227

★★★★★ 2 Abreviews 9 References 3 Images

Overview

Product name	Anti-RPS6 antibody - Ribosome Marker
Description	Rabbit polyclonal to RPS6 - Ribosome Marker
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Sheep, Rabbit, Goat, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Reptile, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to a region between residues 100 and 150 of human RPS6. (NP_001001.2).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab70227 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	1/1000 - 1/10000. Detects a band of approximately 30 kDa (predicted molecular weight: 30 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function

May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.

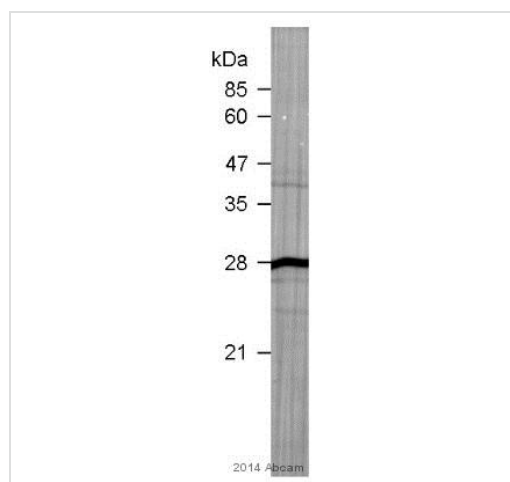
Sequence similarities

Belongs to the ribosomal protein S6e family.

Post-translational modifications

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.

Images



Western blot - Anti-RPS6 antibody - Ribosome Marker (ab70227)

This image is courtesy of an anonymous Abreview

Anti-RPS6 antibody - Ribosome Marker (ab70227) at 1/1000 dilution + *Caenorhabditis elegans* whole adult tissue lysate at 200 µg

Secondary

HRP-conjugated goat anti-rabbit IgG polyclonal at 1/5000 dilution

Developed using the ECL technique.

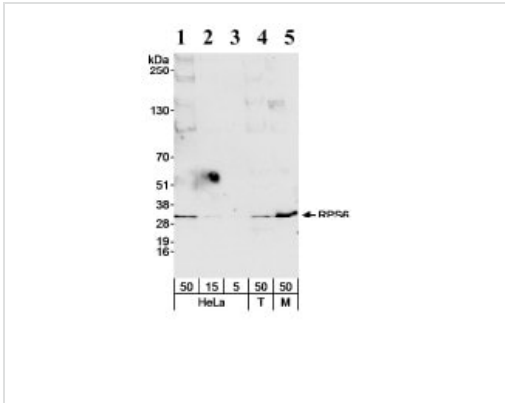
Performed under reducing conditions.

Predicted band size: 30 kDa

Observed band size: 28 kDa

Additional bands at: 24 kDa (possible non-specific binding), 26 kDa (possible non-specific binding), 40 kDa (possible non-specific binding)

Exposure time: 40 seconds



Western blot - Anti-RPS6 antibody - Ribosome Marker (ab70227)

All lanes : Anti-RPS6 antibody - Ribosome Marker (ab70227) at 0.04 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

Lane 3 : Whole cell lysate from HeLa cells at 5 µg

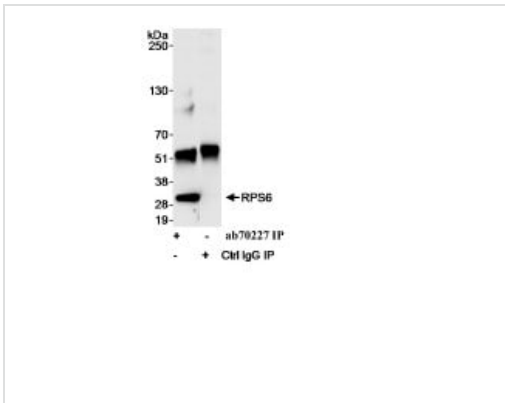
Lane 4 : Whole cell lysate from 293T cells at 50 µg

Lane 5 : Whole cell lysate from NIH3T3 cells at 50 µg

Predicted band size: 30 kDa

Observed band size: 30 kDa

Exposure time: 30 seconds



Immunoprecipitation - Anti-RPS6 antibody - Ribosome Marker (ab70227)

Detection of Human RPS6 by Immunoprecipitation. Samples: A) Whole cell lysate from HeLa cells (1 mg/IP; 1/4 of IP loaded) using affinity purified ab70227 at 3 µg/mg lysate for IP and at 0.04 µg/ml for subsequent WB detection. Second lane represents IgG IP control.

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