

Product datasheet

Anti-RPS16 antibody ab26159

★★★★★ 1 Abreviews 7 References 4 Images

Overview

Product name	Anti-RPS16 antibody
Description	Rabbit polyclonal to RPS16
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human, Chinese hamster Predicted to work with: Mouse, Rat, Cow, Dog, Pig, Zebrafish
Immunogen	A region within a synthetic peptide: MPSKGPLQSV QVFGRKKTAT AVAHCKRGNGLIKVNGRPLE MIEPRTLQYK, corresponding to N terminal amino acids 1-50 of Human RPS16 Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Jurkat cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab26159** 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	★★★★★	Use a concentration of 1.25 µg/ml. Predicted molecular weight: 16 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

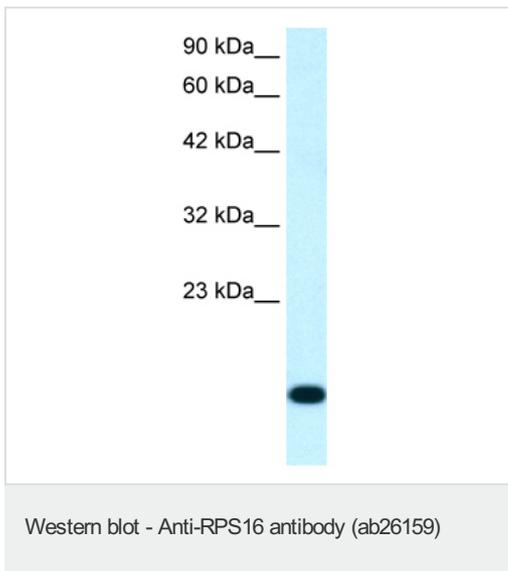
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 5 µg/ml.

Target

Relevance

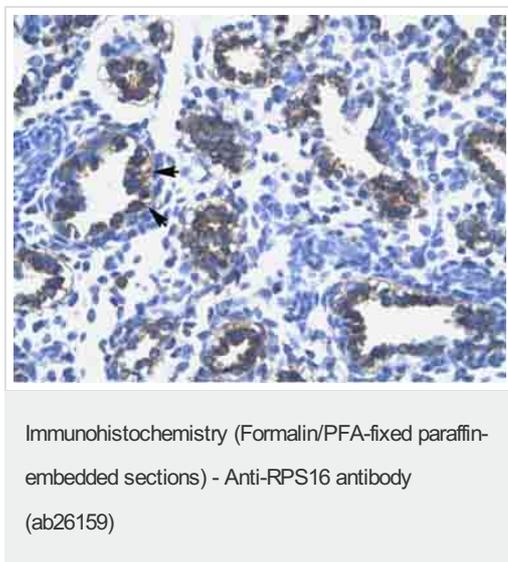
Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. RPS16 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S9P family of ribosomal proteins. It is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Images

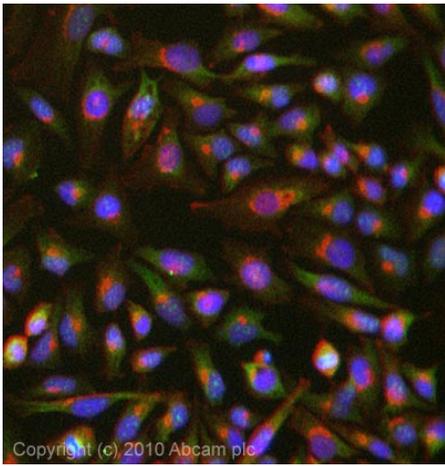


Anti-RPS16 antibody (ab26159) at 1.25 µg/ml + Jurkat cell lysate

Predicted band size: 16 kDa



Staining of human lung tissue with ab26159 (4-8 µg/ml). Positive labelled alveolar cells are indicated with arrows. 400X magnification.



Immunocytochemistry/ Immunofluorescence - Anti-RPS16 antibody (ab26159)

ICC/IF image of ab26159 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab26159, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-RPS16 antibody (ab26159)

All lanes : Anti-RPS16 antibody (ab26159) at 2.5 µg/ml

Lane 1 : Jurkat cell lysate

Lane 2 : Jurkat cell lysate with blocking peptide at 2 µg/ml

Lysates/proteins at 25 µg per lane.

Predicted band size: 16 kDa

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