

Datasheet for ABIN390874

anti-RPS18 antibody (AA 62-91)**6** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	RPS18
Binding Specificity:	AA 62-91
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This RS18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-91 amino acids from the Central region of human RS18.
Clone:	RB21032
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	RPS18
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Target Details

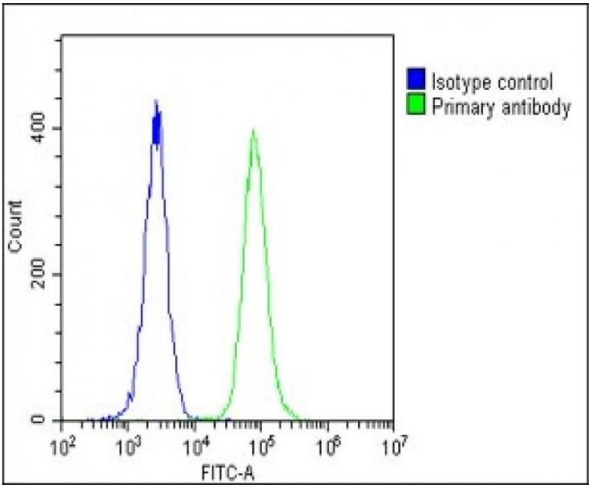
Alternative Name:	RS18 (RPS18 Products)
Background:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This protein is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S13P family of ribosomal proteins. It is located in the cytoplasm.
Molecular Weight:	17719
Gene ID:	6222
NCBI Accession:	NP_072045
UniProt:	P62269

Application Details

Application Notes:	IF: 1:25. WB: 1:1000. IHC-P: 1:100. IHC-P: 1:100. IHC-P-Leica: 1:500. FC: 1:25
Restrictions:	For Research Use only

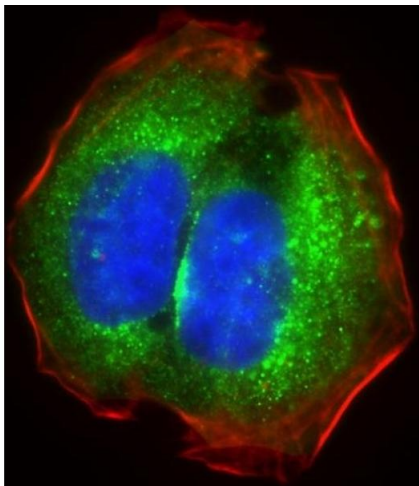
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



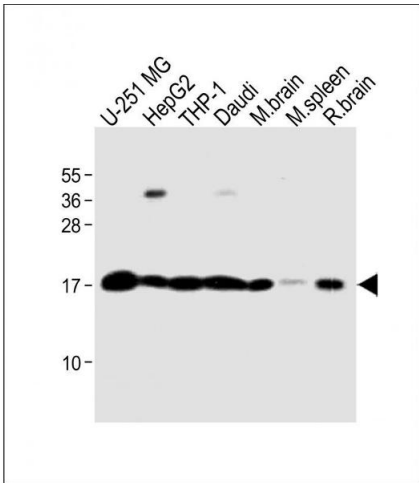
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with C (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (C, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2OS cells labeling RPS18 with C at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2OS cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (1186255) at 1/500 dilution (red). The nuclear counter stain is DI (blue).



Western Blotting

Image 3. All lanes : Anti-RS18 Antibody (Center) at 1:1000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: THP-1 whole cell lysate Lane 4: Daudi whole cell lysate Lane 5: Mouse brain lysate Lane 6: Mouse spleen lysate Lane 7: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 18 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Images

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN390874.