

RS18 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6887c

Specification

RS18 Antibody (Center) - Product Information

Application	IF, WB, IHC-P, IHC-P-Leica, FC,E
Primary Accession	P62269
Other Accession	P62271 , P62272 , P62270 , Q3TOR1
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	62-91

RS18 Antibody (Center) - Additional Information

Gene ID 6222

Other Names

40S ribosomal protein S18, Ke-3, Ke3, RPS18, D6S218E

Target/Specificity

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.

Dilution

IF~~1:25
WB~~1:1000
IHC-P~~1:100
IHC-P-Leica~~1:500
FC~~1:25

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RS18 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

RS18 Antibody (Center) - Protein Information

Name RPS18

Synonyms D6S218E

Function Located at the top of the head of the 40S subunit, it contacts several helices of the 18S rRNA.

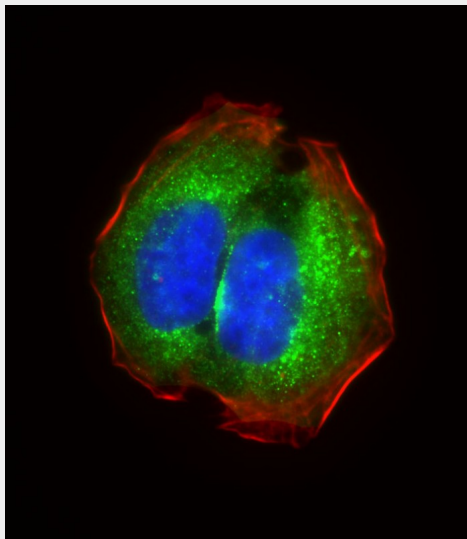
Cellular Location
Cytoplasm.

RS18 Antibody (Center) - Protocols

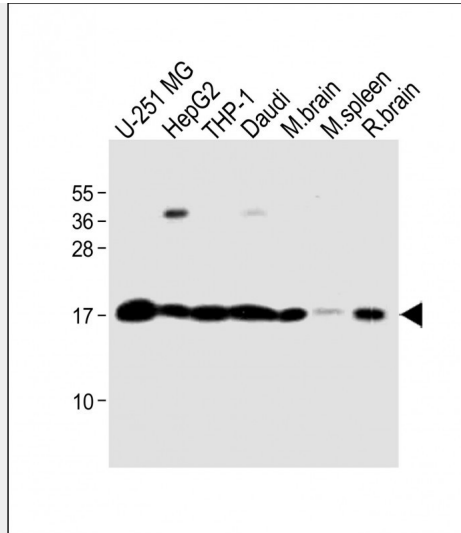
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

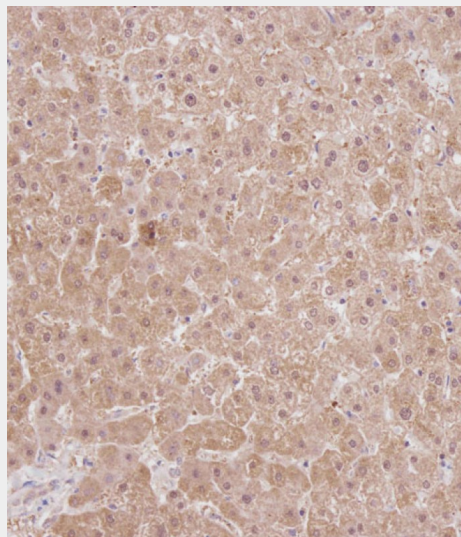
RS18 Antibody (Center) - Images



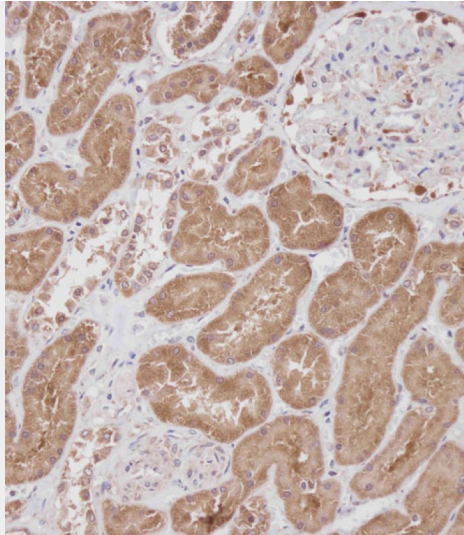
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized U-2OS cells labeling RPS18 with AP6887C at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm 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 DAPI (blue).



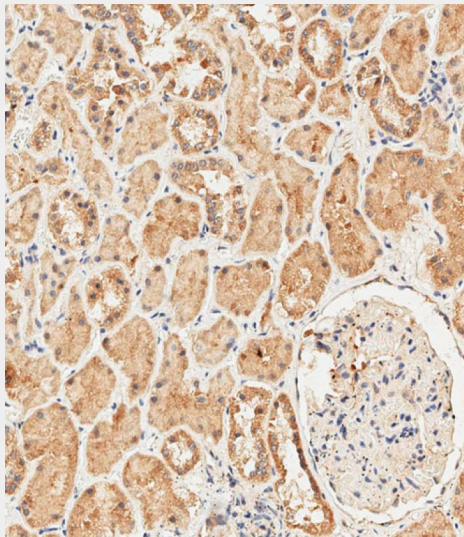
All lanes : Anti-RS18 Antibody (Center) at 1:1000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: THP-1 whole cell lysate Lane 4: Daudi whole cell lysate Lane 5: Mouse brain lysate Lane 6: Mouse spleen lysate Lane 7: Rat brain lysate Lysates/proteins at 20 μ g per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



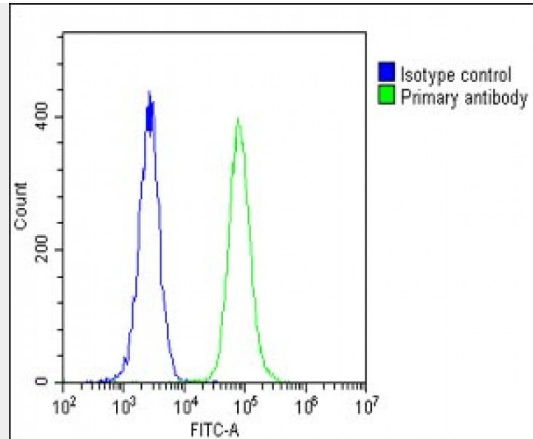
Immunohistochemical analysis of AP6887C on paraffin-embedded Human liver tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of AP6887C on paraffin-embedded Human kidney tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using AP6887C performed on the Leica® BOND RXm. Samples were incubated with primary antibody(1/500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Overlay histogram showing U-2 OS cells stained with AP6887C(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 (AP6887C, 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 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

RS18 Antibody (Center) - 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.

RS18 Antibody (Center) - References

Yu,Y., Ji,H., et.al., Protein Sci. 14 (6), 1438-1446 (2005)