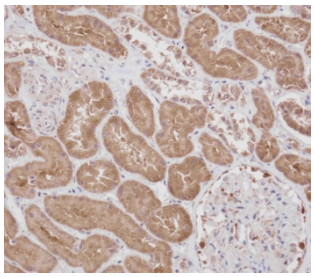
# RPS18 Antibody (F54304)

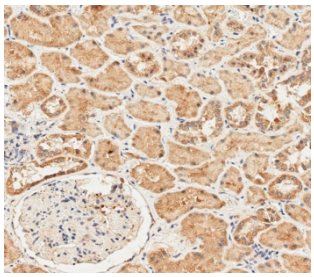
| Catalog No. | Formulation | Size |
|---|---|---|
| F54304-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F54304-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**Bulk quote request**

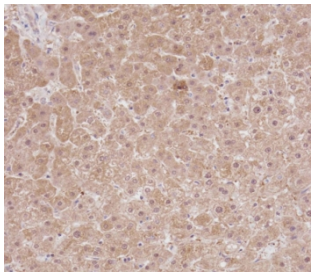
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity purified |
| **UniProt** | P62269 |
| **Localization** | Cytoplasmic |
| **Applications** | Western blot: 1:500-1:2000<br>Immunohistochemistry (FFPE): 1:25<br>Immunofluorescence: 1:25<br>Flow cytometry: 1:25 (1x10e6 cells) |
| **Limitations** | This RPS18 antibody is available for research use only. |



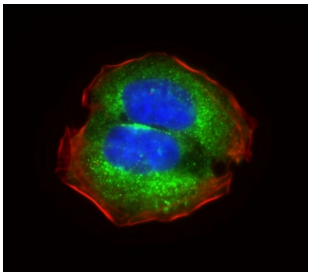
IHC testing of FFPE human kidney tissue with RPS18 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



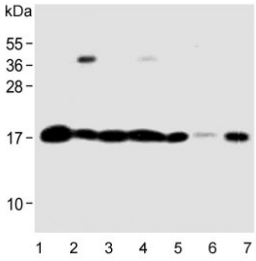
IHC testing of FFPE human kidney tissue with RPS18 antibody.



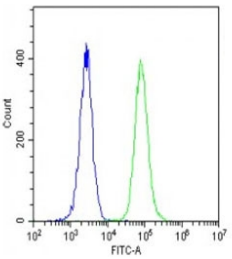
IHC testing of FFPE human liver tissue with RPS18 antibody. HIER: steam section in pH9 EDTA for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human U-2 OS cells with RPS18 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).




Western blot testing of human 1) U-251 MG, 2) HepG2, 3) ThP-1, 4) Daudi, 5) mouse brain, 6) mouse spleen and 7) rat brain lysate with RPS18 antibody. Predicted molecular weight ~18 kDa.




Flow cytometry testing of fixed and permeabilized human U-2 OS cells with RPS18 antibody; Blue=isotype control, Green= RPS18 antibody.

## Description

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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the RPS18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 62-91 from the human protein were used as the immunogen for the RPS18 antibody.

## Storage

Aliquot the RPS18 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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