

## **RPL18A Antibody (C-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9141b

### **Specification**

#### RPL18A Antibody (C-term) - Product Information

Application FC, IHC-P, WB,E

Primary Accession <u>002543</u>

Other Accession <u>P62718</u>, <u>P62717</u>, <u>Q7ZWI4</u>, <u>Q3T003</u>, <u>G1TTY7</u>

Reactivity Human, Mouse

Predicted Bovine, Zebrafish, Rabbit, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Antigen Region 140-166

### RPL18A Antibody (C-term) - Additional Information

#### **Gene ID 6142**

#### **Other Names**

60S ribosomal protein L18a, RPL18A

#### Target/Specificity

This RPL18A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-166 amino acids from the C-terminal region of human RPL18A.

# **Dilution**

FC~~1:10~50 IHC-P~~1:50~100 WB~~1:1000

E~~Use at an assay dependent concentration.

#### **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**

RPL18A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### RPL18A Antibody (C-term) - Protein Information

## Name RPL18A



**Function** Component of the large ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell.

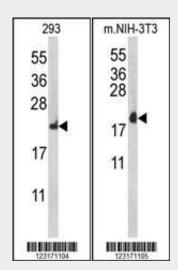
**Cellular Location** Cytoplasm.

# RPL18A Antibody (C-term) - Protocols

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

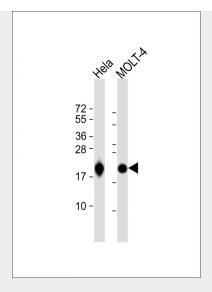
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# RPL18A Antibody (C-term) - Images

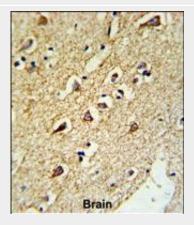


Western blot analysis of RPL18A Antibody (C-term) (Cat. #AP9141b) in 293, mouse NIH-3T3 cell line lysates (35ug/lane). RPL18A (arrow) was detected using the purified Pab.

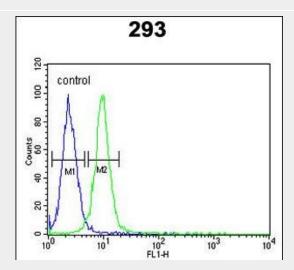




All lanes : Anti-RPL18A Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: MOLT-4 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit lgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with RPL18A Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



RPL18A Antibody (C-term) (Cat. #AP9141b) flow cytometric analysis of 293 cells (right histogram)



Tel: 858.875.1900 Fax: 858.875.1999

compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

# RPL18A Antibody (C-term) - 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. RPL18A is a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L18AE family of ribosomal proteins. It is located in the cytoplasm.

# RPL18A Antibody (C-term) - References

Wool,I.G., et.al., Biochem. Cell Biol. 73 (11-12), 933-947 (1995)