

A14254

Leader in Biomolecular Solutions for Life Science



RPL21 Rabbit pAb

Catalog No.: A14254

Basic Information

Observed MW

18kDa

Calculated MW

19kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

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 gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L21E 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.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:100

IF/ICC 1:50 - 1:100

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6144

Swiss Prot

P46778

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

L21; eL21; HYPT12; RPL21

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

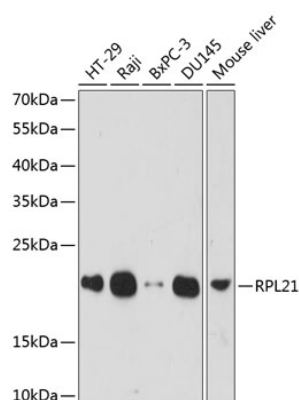
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Contact

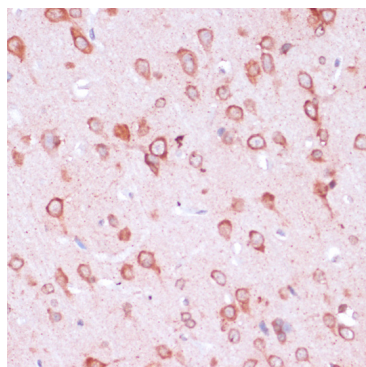


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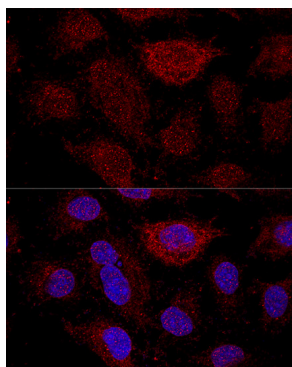
Validation Data



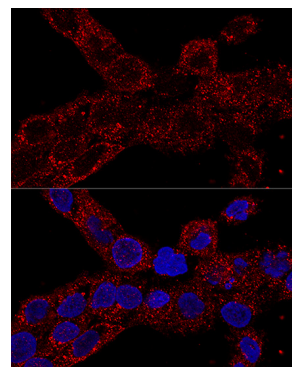
Western blot analysis of various lysates using RPL21 Rabbit pAb (A14254) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Rat brain using RPL21 Rabbit pAb (A14254) at dilution of 1:100 (40x lens).
Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Confocal immunofluorescence analysis of HeLa cells using RPL21 Rabbit pAb (A14254) at dilution of 1:200. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of A-431 cells using RPL21 Rabbit pAb (A14254) at dilution of 1:100. Blue: DAPI for nuclear staining.