

## RPL22 Rabbit Polyclonal Antibody

Catalog No: #55589

Package Size: #55589-1 50ul #55589-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

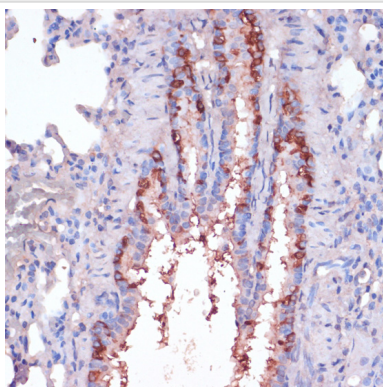
## Description

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Product Name          | RPL22 Rabbit Polyclonal Antibody                         |
| Host Species          | Rabbit                                                   |
| Clonality             | Polyclonal                                               |
| Isotype               | IgG                                                      |
| Purification          | Affinity purification                                    |
| Applications          | WB,IHC,IF                                                |
| Species Reactivity    | Human,Mouse,Rat                                          |
| Immunogen Description | Recombinant fusion protein of human RPL22 (NP_000974.1). |
| Conjugates            | Unconjugated                                             |
| Other Names           | RPL22;EAP;HBP15;HBP15/L22;L22                            |
| Accession No.         | Swiss Prot:P35268GenelD:6146                             |
| Calculated MW         | 14kDa                                                    |
| SDS-PAGE MW           | 15kDa                                                    |
| Formulation           | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.  |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.              |

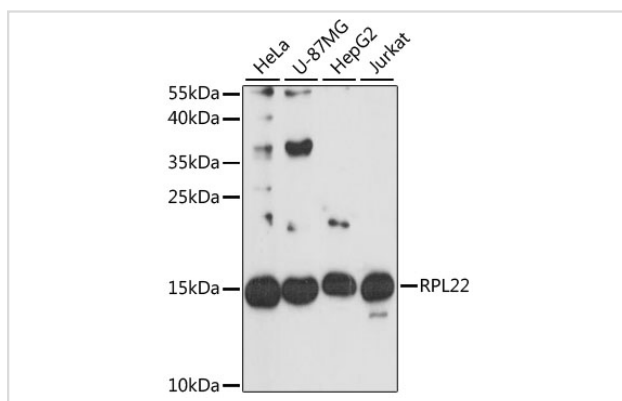
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100IF□1:50 - 1:100

## Images



Immunohistochemistry of paraffin-embedded rat lung using RPL22 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using RPL22 at 1:3000 dilution.

## 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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22E family of ribosomal proteins. Its initiating methionine residue is post-translationally removed. The protein can bind specifically to Epstein-Barr virus-encoded RNAs (EBERs) 1 and 2. The mouse protein has been shown to be capable of binding to heparin. Transcript variants utilizing alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. It was previously thought that this gene mapped to 3q26 and that it was fused to the acute myeloid leukemia 1 (AML1) gene located at 21q22 in some therapy-related myelodysplastic syndrome patients with 3;21 translocations; however, these fusions actually involve a ribosomal protein L22 pseudogene located at 3q26, and this gene actually maps to 1p36.3-p36.2.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.