

## Rabbit anti-Mouse, Rat Rpl9 Polyclonal Antibody | anti-RPL9 antibody

Anti-Rpl9 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                                         |
|-----------|--------|------------|----------------------------------------------------------------------------------------------------------------------|
| AAA126628 | Rabbit | Mouse, Rat | ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot |

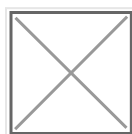
### PRODUCT SYNONYMS

Rpl9; Polyclonal Antibody; Anti-Rpl9 Antibody Picoband; anti-RPL9 antibody

### PRODUCT SPECIFICATIONS

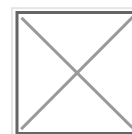
|                                                |                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                     | Mouse, Rat                                                                                                                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                    | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-RPL9 antibody | ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                          |
| Reconstitution                                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                      | E Coli-derived mouse Rpl9 recombinant protein (Position: M1-E192).                                                                                                                                                           |
| Preparation and Storage                        | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of RAW264.7 cells using anti-Rpl9 antibody (AAA126628). Overlay histogram showing RAW264.7 cells stained with AAA126628 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Rpl9 Antibody (AAA126628, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



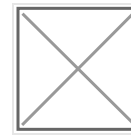
#### IF (Immunofluorescence)

Figure 3. IF analysis of Rpl9 using anti-Rpl9 antibody (AAA126628). Rpl9 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-Rpl9 Antibody (AAA126628) overnight at 4 degree C. Biotin conjugated goat anti-rabbit IgG (BA1003) was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using DyLight488 Conjugated Avidin (BA1128). The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



#### IHC (Immunohistochemistry)

Figure 2. IHC analysis of Rpl9 using anti-Rpl9 antibody (AAA126628). Rpl9 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Rpl9 Antibody (AAA126628) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



#### WB (Western Blot)

Figure 1. Western blot analysis of Rpl9 using anti-Rpl9 antibody (AAA126628). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat pancreas tissue lysates, Lane 3: rat C6 whole cell lysates, Lane 4: mouse brain tissue lysates, Lane 5: mouse pancreas tissue lysates, Lane 6: mouse RAW264.7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Rpl9 antigen affinity purified polyclonal antibody (#AAA126628) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Rpl9 at approximately 22 kDa. The expected band size for Rpl9 is at 22 kDa.

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RPL9 antibody | 60S ribosomal protein L9 is a protein that in humans is encoded by the RPL9 gene. 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 L6P 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. Alternative splicing results in multiple transcript variants. |
| Product Categories/Family for anti-RPL9 antibody   | Primary Antibodies, Rabbit Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 14149647                 |
| NCBI GeneID                      | 20005                    |
| NCBI Accession #                 | NP_035422.1              |
| NCBI GenBank Nucleotide #        | NM_011292.2              |
| UniProt Accession #              | P51410; Q9JK58           |
| Molecular Weight                 | 21,881 Da                |
| NCBI Official Full Name          | 60S ribosomal protein L9 |
| NCBI Official Synonym Full Names | ribosomal protein L9     |
| NCBI Official Symbol             | Rpl9                     |
| NCBI Protein Information         | 60S ribosomal protein L9 |
| UniProt Protein Name             | 60S ribosomal protein L9 |
| UniProt Gene Name                | Rpl9                     |
| UniProt Entry Name               | RL9_MOUSE                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rpl9-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/126628>