

## Rabbit anti-Human RPL14 Polyclonal Antibody | anti-RPL14 antibody

Anti-RPL14 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                            |
|-----------|--------|------------|---------------------------------------------------------|
| AAA256563 | Rabbit | Human      | Immunoprecipitation, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

RPL14; Polyclonal Antibody; Anti-RPL14 Antibody; Rabbit Polyclonal; RPL14 Antibody; Rabbit PAb; Antigen Affinity Purified; ribosomal protein L14; Anti-CAG-ISL-7 Antibody; Anti-CTG-B33 Antibody; Anti-hRPL14 Antibody; Anti-L14 Antibody; Anti-RL14 Antibody; anti-RPL14 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human RPL14                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-RPL14 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                            |
| Immunogen                                       | E Coli-derived Human RPL14 fragment                                                                                                                                                                                                                |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human RPL14 fragment, and purified by antigen affinity chromatography.                                                                                                                           |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

RPL14 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate, 4 uL anti-RPL14 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-RPL14 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 26 kDa.



#### IHC (Immunohistochemistry)

Immunochemical staining of human RPL14 in human rectum with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human RPL14 in human brain with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



#### WB (Western Blot)

Anti-RPL14 rabbit polyclonal antibody at 1:2000 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: 293 Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lane D: MCF7 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 23 kDa. Observed band size: 26 kDa.

## ADDITIONAL INFORMATION

### Related Product Information for anti-RPL14 antibody

The human ribosomal protein L14 gene (RPL14) is located on chromosome 3p21.3. Alteration of RPL14 occurred frequently in esophageal squamous cell carcinomas (ESCC) and might be an earlier event in the tumorigenesis of the esophagus. Analysis of the RPL14 gene may contribute to the early detection of ESCC as a potential molecular marker. The ribosomal protein Rpl14 gene has been characterized in several species, including, the human, rat, and fruit fly. Haploinsufficiency for the gene causes the Minute phenotype in *Drosophila*, and it has been proposed as a regulator in the tumorigenic pathway in the human. The RPL14 sequence contains a highly polymorphic trinucleotide repeat array which encodes a variable-length polyalanine tract. Genotype analysis of RPL14 shows that this locus is 68% heterozygous in the normal population, compared with 25% in non-small cell lung cancer (NSCLC) cell lines ( $p = 0.008$ ).

### References

Shriver SP, et al. (1998) Trinucleotide repeat length variation in the human ribosomal protein L14 gene (rpl14): Localization to 3p21.3 and loss of heterozygosity in lung and oral cancers. *Mutat Res* 406 (1): 9-23. Huang XP, et al. (2006) Alteration of rpl14 in squamous cell carcinomas and preneoplastic lesions of the esophagus. *Gene* 366 (1): 161-168. Enerly E, et al. (2003) Identification and comparative analysis of the rpl14 gene from *takifugu rubripes*. *Hereditas* 139 (2): 143-150.

**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/rpl14-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256563>