

## ARG40052 anti-RPL7A antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes RPL7A                                             |
| Tested Reactivity   | Hu, Ms, Rat                                                                             |
| Tested Application  | ICC/IF, WB                                                                              |
| Host                | Rabbit                                                                                  |
| Clonality           | Polyclonal                                                                              |
| Isotype             | IgG                                                                                     |
| Target Name         | RPL7A                                                                                   |
| Species             | Human                                                                                   |
| Immunogen           | Recombinant fusion protein corresponding to aa. 1-266 of Human RPL7A (NP_000963.1).     |
| Conjugation         | Un-conjugated                                                                           |
| Alternate Names     | PLA-X polypeptide; TRUP; Surfeit locus protein 3; 60S ribosomal protein L7a; SURF3; L7A |

### Application Instructions

|                   |                                                                                                                                            |                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Application table | Application                                                                                                                                | Dilution       |
|                   | ICC/IF                                                                                                                                     | 1:50 - 1:100   |
|                   | WB                                                                                                                                         | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |
| Positive Control  | Mouse liver and MCF7                                                                                                                       |                |
| Observed Size     | 35 kDa                                                                                                                                     |                |

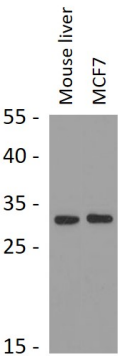
### Properties

|                     |                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                                                                                                                                            |
| Purification        | Affinity purified.                                                                                                                                                                                                                                                                                                |
| Buffer              | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.                                                                                                                                                                                                                                                                |
| Preservative        | 0.02% Sodium azide                                                                                                                                                                                                                                                                                                |
| Stabilizer          | 50% Glycerol                                                                                                                                                                                                                                                                                                      |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.                                                                                                                                                                                                                                              |

Bioinformation

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|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol    | RPL7A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Full Name | ribosomal protein L7a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Background     | Cytoplasmic ribosomes, 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 L7AE family of ribosomal proteins. It can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor, and inhibit their ability to transactivate by preventing their binding to their DNA response elements. This gene is included in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity. It is co-transcribed with the U24, U36a, U36b, and U36c small nucleolar RNA genes, which are located in its second, fifth, fourth, and sixth introns, respectively. This gene rearranges with the trk proto-oncogene to form the chimeric oncogene trk-2h, which encodes an oncoprotein consisting of the N terminus of ribosomal protein L7a fused to the receptor tyrosine kinase domain of trk. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008] |
| Calculated Mw  | 30 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Images



ARG40052 anti-RPL7 antibody WB image

Western blot: 25 µg of Mouse liver and MCF7 cell lysates stained with ARG40052 anti-RPL7 antibody at 1:3000 dilution.