

## Anti-EIF2C3/Argonaute 3 AGO3 Antibody

Catalog Number: A04191

### About AGO3

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of four 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 L10E family of ribosomal proteins. It is located in the cytoplasm. In vitro studies have shown that the chicken protein can bind to c-Jun and can repress c-Jun-mediated transcriptional activation, but these activities have not been demonstrated in vivo. This gene was initially identified as a candidate for a Wilms tumor suppressor gene, but later studies determined that this gene is not involved in the suppression of Wilms tumor. This gene has been referred to as 'laminin receptor homolog' because a chimeric transcript consisting of sequence from this gene and sequence from the laminin receptor gene was isolated; however, it is not believed that this gene encodes a laminin receptor. Alternative splicing results in multiple transcript variants. This gene also uses multiple polyA signals, with the 3'-most polyA signal overlapping the deoxyribonuclease I-like 1 gene on the opposite strand. This gene is co-transcribed with the small nucleolar RNA gene U70, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Dowdy S.F., Nucleic Acids Res. 19:5763-5769(1991).

van den Ouweland A.M.W., Hum. Mol. Genet. 1:269-273(1992).

Kaneko K., Hum. Mol. Genet. 1:529-533(1992).

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-EIF2C3/Argonaute 3 AGO3 Antibody   |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-EIF2C3/Argonaute 3 AGO3 Antibody catalog # A04191. Tested in WB, ICC/IF, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | Flow Cytometry, IF, IHC, ICC, WB  |
| Clonality            | Polyclonal  |
| Formulation          | Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2  |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                              |
| Host                 | Rabbit  |
| Uniprot ID           | Q9H9G7  |

### Technical Details

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| Immunogen | Synthesized peptide derived from internal of human 60S Ribosomal Protein L10. |
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|----------------------------|--|
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster   |
| Isotype                    | IgG  |
| Form                       | Liquid   |
| Concentration              | 1 mg/ml  |
| Purification               | ProA affinity purified   |
| Suggested Dilutions        | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:1,000<br/>ICC: 1:100-1:500<br/>IHC: 1:50-1:200<br/>FC: 1:50-1:100</p> |

## Anti-EIF2C3/Argonaute 3 AGO3 Antibody (A04191) Images

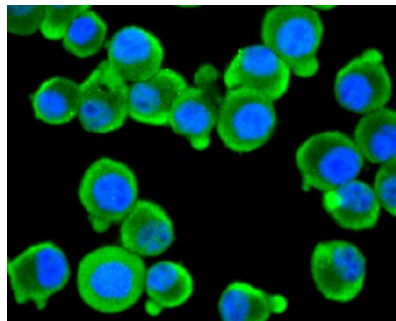


Figure 1. Immunocytochemistry staining of AGO3 using Anti-EIF2C3/Argonaute 3 AGO3 Antibody (A04191).

ICC staining EIF2C3 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

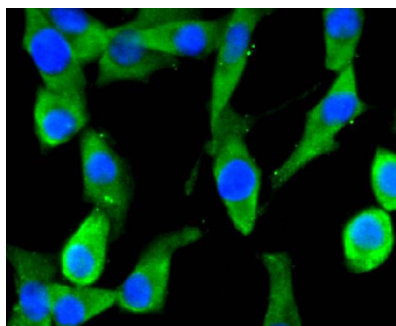


Figure 2. Immunocytochemistry staining of AGO3 using Anti-EIF2C3/Argonaute 3 AGO3 Antibody (A04191).

ICC staining EIF2C3 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde

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