

# Anti-EIF2C3 AGO3 Rabbit Monoclonal Antibody

Catalog # ABO13846

## Product Information

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                                      |
| <b>Primary Accession</b> | <a href="#">Q9H9G7</a>                                                                                                  |
| <b>Host</b>              | Rabbit                                                                                                                  |
| <b>Isotype</b>           | Rabbit IgG                                                                                                              |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                       |
| <b>Clonality</b>         | Monoclonal                                                                                                              |
| <b>Format</b>            | Liquid                                                                                                                  |
| <b>Description</b>       | Anti-EIF2C3 AGO3 Rabbit Monoclonal Antibody . Tested in WB application.<br>This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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| <b>Gene ID</b>                  | 192669                                                                                                                                                                                                                                                                                                                                            |
| <b>Other Names</b>              | Protein argonaute-3 {ECO:0000255 HAMAP-Rule:MF_03032}, Argonaute3 {ECO:0000255 HAMAP-Rule:MF_03032}, hAgo3, 3.1.26.n2, Argonaute RISC catalytic component 3, Eukaryotic translation initiation factor 2C 3 {ECO:0000255 HAMAP-Rule:MF_03032}, eIF-2C 3 {ECO:0000255 HAMAP-Rule:MF_03032}, eIF2C 3 {ECO:0000255 HAMAP-Rule:MF_03032}, AGO3, EIF2C3 |
| <b>Calculated MW</b>            | 97360                                                                                                                                                                                                                                                                                                                                             |
| <b>Application Details</b>      | WB 1:1000-1:2000                                                                                                                                                                                                                                                                                                                                  |
| <b>Subcellular Localization</b> | Cytoplasm, P-body.                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                                                                                                                                         |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                                                                                               |
| <b>Clone Names</b>              | Clone: GGF-1                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                | A synthesized peptide derived from human EIF2C3                                                                                                                                                                                                                                                                                                   |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                  | 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.                                                                                                                                                                                                        |

## Protein Information

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| <b>Name</b> | AGO3 |
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**Synonyms**

EIF2C3

**Function**

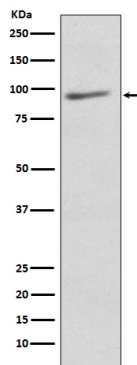
Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Proposed to be involved in stabilization of small RNA derivatives (siRNA) derived from processed RNA polymerase III-transcribed Alu repeats containing a DR2 retinoic acid response element (RARE) in stem cells and in the subsequent siRNA- dependent degradation of a subset of RNA polymerase II-transcribed coding mRNAs by recruiting a mRNA decapping complex involving EDC4. Possesses RNA slicer activity but only on select RNAs bearing 5'- and 3'-flanking sequences to the region of guide-target complementarity (PubMed:[29040713](#)).

**Cellular Location**

Cytoplasm, P-body {ECO:0000255|HAMAP- Rule:MF\_03032, ECO:0000269|PubMed:16081698}

**Images**

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Western blot analysis of EIF2C3 expression in Human brain lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.