

Eif2c3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14328**Specification**

Eif2c3 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O8CJF9
Other Accession	NM_153402 , NP_700451
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97kDa KDa

Eif2c3 antibody - N-terminal region - Additional Information**Gene ID** 214150**Alias Symbol** **AW048688, Ago3, C130014L07Rik, Eif2c3****Other Names**

Protein argonaute-3 {ECO:0000255|HAMAP-Rule:MF_03032}, Argonaute3 {ECO:0000255|HAMAP-Rule:MF_03032}, mAgo3, 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}, Piwi/argonaute family protein mEIF2C3, Ago3, Eif2c3

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Eif2c3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Eif2c3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Eif2c3 antibody - N-terminal region - Protein Information**Name** Ago3**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 (PubMed:19174539). Possesses RNA slicer activity but only on select RNAs bearing 5'- and 3'-flanking sequences to the region of guide-target complementarity (By similarity).

Cellular Location

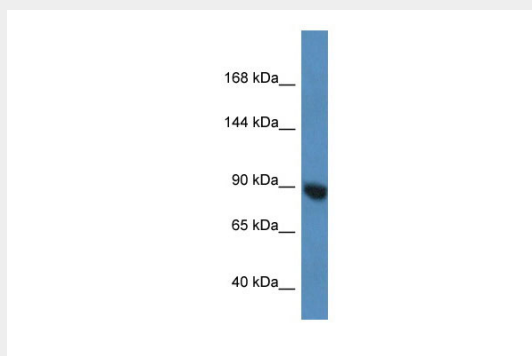
Cytoplasm, P-body {ECO:0000255|HAMAP- Rule:MF_03032}

Eif2c3 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Eif2c3 antibody - N-terminal region - Images



WB Suggested Anti-Eif2c3 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Pancreas

Eif2c3 antibody - N-terminal region - References

Doi N., et al. Curr. Biol. 13:41-46(2003).
Carninci P., et al. Science 309:1559-1563(2005).
Church D.M., et al. PLoS Biol. 7:E1000112-E1000112(2009).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
Su H., et al. Genes Dev. 23:304-317(2009).