10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EIF2C4 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14326

Specification

EIF2C4 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9HCK5
Other Accession	NM_017629, NP_060099
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Chicken, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**95kDa KDa**

EIF2C4 antibody - middle region - Additional Information

Gene ID 192670

Alias Symbol	**AGO4, EIF2C4**

Other Names
Protein argonaute-4 {ECO:0000255|HAMAP-Rule:MF_03033}, Argonaute4 {ECO:0000255|HAMAP-Rule:MF_03033}, hAgo4, Argonaute RISC catalytic component 4, Eukaryotic translation initiation factor 2C 4 {ECO:0000255|HAMAP-Rule:MF_03033}, eIF-2C 4 {ECO:0000255|HAMAP-Rule:MF_03033}, eIF2C 4 {ECO:0000255|HAMAP-Rule:MF_03033}, AGO4, EIF2C4, KIAA1567

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-EIF2C4 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
EIF2C4 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2C4 antibody - middle region - Protein Information

Name AGO4

Synonyms EIF2C4, KIAA1567

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. Lacks endonuclease activity and does not appear to cleave target mRNAs. Also required for RNA-directed transcription and replication of the human hapatitis delta virus (HDV).

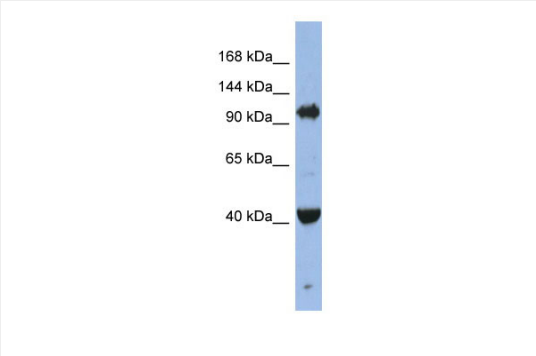
Cellular Location
Cytoplasm, P-body {ECO:0000255|HAMAP- Rule:MF_03033, ECO:0000269|PubMed:16081698, ECO:0000269|PubMed:19167051}

EIF2C4 antibody - middle 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 Cytomety
- Cell Culture

EIF2C4 antibody - middle region - Images



WB Suggested Anti-EIF2C4 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate

EIF2C4 antibody - middle region - References

Nagase T.,et al.DNA Res. 7:273-281(2000).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Meister G.,et al.Mol. Cell 15:185-197(2004).
Pillai R.S.,et al.RNA 10:1518-1525(2004).