

EIF2C4 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI14326

Product Information

Application	WB
Primary Accession	Q9HCK5
Other Accession	NM_017629 , NP_060099
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97097

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.

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 hepatitis delta virus (HDV).

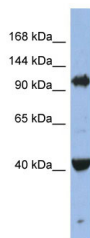
Cellular Location

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

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).

Images



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

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