

Goat Anti-EIF2C1 / AGO1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1359a

Specification

Goat Anti-EIF2C1 / AGO1 Antibody - Product Information

Application	WB
Primary Accession	O9UL18
Other Accession	NP_036331 , 26523
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	97214

Goat Anti-EIF2C1 / AGO1 Antibody - Additional Information

Gene ID 26523

Other Names

Protein argonaute-1, Argonaute1, hAgo1, Argonaute RISC catalytic component 1, Eukaryotic translation initiation factor 2C 1, eIF-2C 1, eIF2C 1, Putative RNA-binding protein Q99, AGO1, EIF2C1

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-EIF2C1 / AGO1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-EIF2C1 / AGO1 Antibody - Protein Information

Name AGO1

Synonyms EIF2C1

Function

Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) or short interfering RNAs (siRNAs), 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 transcriptional gene silencing (TGS) of promoter regions which are complementary to bound short antigenic RNAs (agRNAs).

Cellular Location

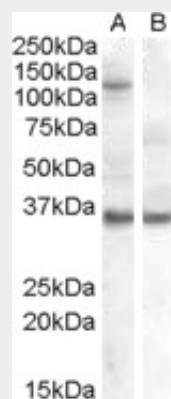
Cytoplasm, P-body

Goat Anti-EIF2C1 / AGO1 Antibody - 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](#)

Goat Anti-EIF2C1 / AGO1 Antibody - Images



HEK293 overexpressing EIF2C1 and probed with AF1359a (non-transfected HEK293 in lane B).

Goat Anti-EIF2C1 / AGO1 Antibody - Background

This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. This gene is located on chromosome 1 in a cluster of closely related family members including argonaute 3, and argonaute 4.

Goat Anti-EIF2C1 / AGO1 Antibody - References

Association of a common AGO1 variant with lung cancer risk: A two-stage case-control study. Kim JS, et al. Mol Carcinog, 2010 Oct. PMID 20721975.

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Black carbon exposures, blood pressure, and interactions with single nucleotide polymorphisms in MicroRNA processing genes. Wilker EH, et al. Environ Health Perspect, 2010 Jul. PMID 20211803.

Distinct passenger strand and mRNA cleavage activities of human Argonaute proteins. Wang B, et al. Nat Struct Mol Biol, 2009 Dec. PMID 19946268.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.