

AGO1 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6558a

Specification

AGO1 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9UL18
Other Accession	O8CJG1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	97214
Antigen Region	27-56

AGO1 Antibody (N-term) - 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

Target/Specificity

This AGO1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-56 amino acids from the N-terminal region of human AGO1.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

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

Precautions

AGO1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AGO1 Antibody (N-term) - 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

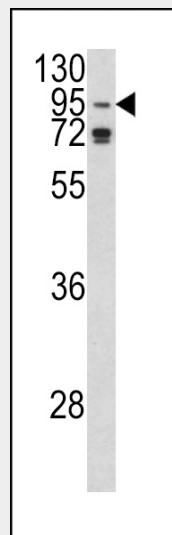
Cytoplasm, P-body

AGO1 Antibody (N-term) - Protocols

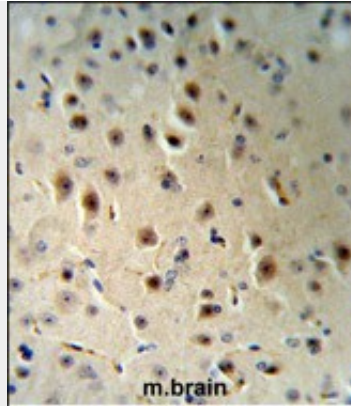
Provided below are standard protocols that you may find useful for product applications.

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

AGO1 Antibody (N-term) - Images



Western blot analysis of AGO1 Antibody (N-term) (Cat. #AP6558a) in K562 cell line lysates (35ug/lane). AGO1 (arrow) was detected using the purified Pab.



AGO1 Antibody (N-term) (RB18965) IHC analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AGO1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

AGO1 Antibody (N-term) - Background

AGO1 is a member of the Argonaute family of proteins which play a role in RNA interference. The 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.

AGO1 Antibody (N-term) - References

Weinmann,L., Cell 136 (3), 496-507 (2009)
Horikawa,Y., Clin. Cancer Res. 14 (23), 7956-7962 (2008)