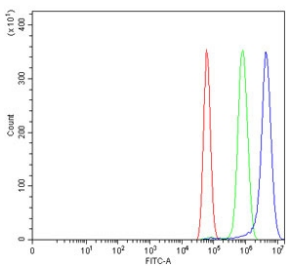
AGO1 Antibody / Argonaute 1 (RQ7059)

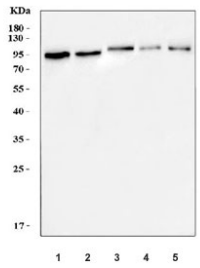
Catalog No.	Formulation	Size
RQ7059	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UL18
Applications	Western blot: 0.5-1 ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This AGO1 antibody is available for research use only.



Flow cytometry testing of human U-87 MG cells with AGO1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= AGO1 antibody.



Western blot testing of human 1) K562, 2) PC-3, 3) HeLa, 4) Caco-2 and 5) 293T cell lysate with AGO1 antibody. Predicted molecular weight ~97 kDa.

Description

This gene encodes a member of the argonaute family of proteins, which associate with small RNAs and have important roles in RNA interference (RNAi) and RNA silencing. This protein binds to microRNAs (miRNAs) or small interfering RNAs (siRNAs) and represses translation of mRNAs that are complementary to them. It is also involved in transcriptional gene silencing (TGS) of promoter regions that are complementary to bound short antigene RNAs (agRNAs), as well as in the degradation of miRNA-bound mRNA targets. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target, and that its mRNA could give rise to an additional C-terminally extended isoform by use of an alternative in-frame translation termination codon.

Application Notes

Optimal dilution of the AGO1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids A9-E405) was used as the immunogen for the AGO1 antibody.

Storage

After reconstitution, the AGO1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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