

Datasheet for ABIN5646975  
**anti-AGO1 antibody (AA 376-409)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µg
Target:	AGO1 (EIF2C1)
Binding Specificity:	AA 376-409
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AGO1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	Amino acids 376-409 (EISRLMKNASYNLDPYIQEFGIKVKDDMTEVTGR) from the human protein were used as the immunogen for the AGO1 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

## Target Details

Target:	AGO1 (EIF2C1)
Alternative Name:	AGO1 / Argonaute 1 ( <a href="#">EIF2C1 Products</a> )
Background:	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

## Target Details

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 antigenic 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.

UniProt: [Q9UL18](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Regulatory RNA Pathways](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hormone Transport](#), [Regulation of Actin Filament Polymerization](#), [Stem Cell Maintenance](#), [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

Application Notes: Optimal dilution of the AGO1 antibody should be determined by the researcher. \. WB: 0.5-1 µg/mL, FACS: 1-3 µg/10<sup>6</sup> cells, IHC (FFPE): 1-2 µg/mL

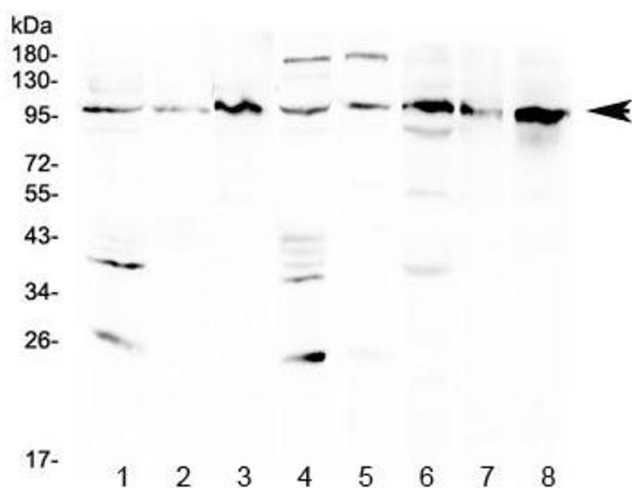
Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

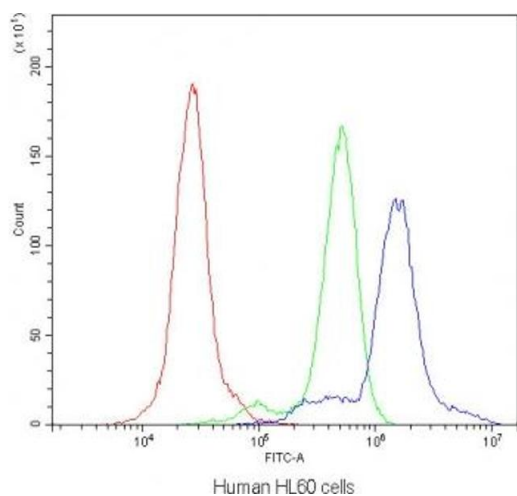
Storage: -20 °C

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



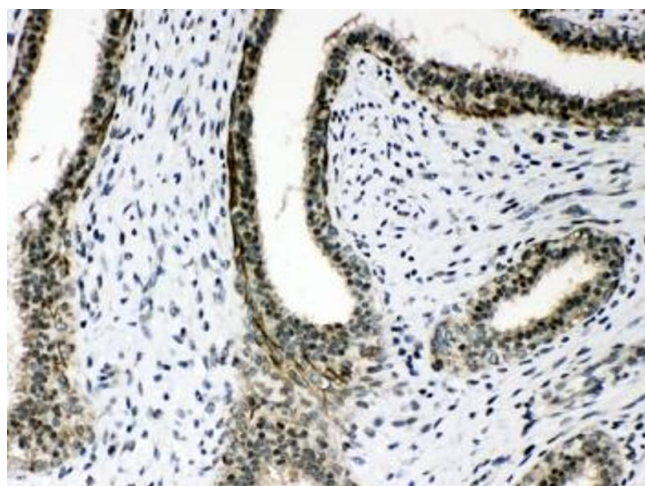
#### Western Blotting

**Image 1.** Western blot testing of 1) rat brain, 2) rat kidney, 3) rat NRK, 4) mouse brain, 5) mouse kidney, 6) human HeLa, 7) human Jurkat and 8) human K562 lysate with AGO1 antibody at 0.5ug/ml. Predicted molecular weight ~97 kDa.



#### Flow Cytometry

**Image 2.** Flow cytometry testing of human HL60 cells with AGO1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera)



#### Immunohistochemistry

**Image 3.** IHC testing of FFPE human breast cancer tissue with AGO1 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5646975.