

**Product Name: Argonaute 2 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe01672**

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## Summary

<b>Production Name</b>	Argonaute 2 Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	AGO2
<b>Alternative Names</b>	Ago 2; Argonaute 2; dAgo2; eIF2C 2; hAgo2; PPD
<b>Gene ID</b>	27161
<b>SwissProt ID</b>	Q9UKV8

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
<b>Molecular Weight</b>	Calculated MW: 97 kDa; Observed MW: 97 kDa

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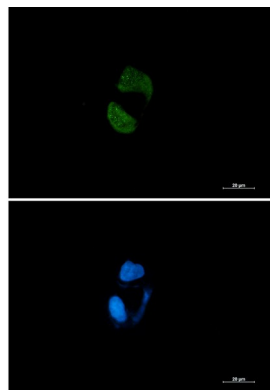
## Background

Required for RNA-mediated gene silencing (RNAi) by the RNA-induced silencing complex (RISC). Can also upregulate the translation of specific mRNAs under certain growth conditions. Binds to the AU element of the 3'-UTR of the TNF (TNF-alpha) mRNA and upregulates translation under conditions of serum starvation. Also required for transcriptional gene silencing (TGS), in which short RNAs known as antigenic RNAs or agRNAs direct the transcriptional repression of complementary promoter regions.

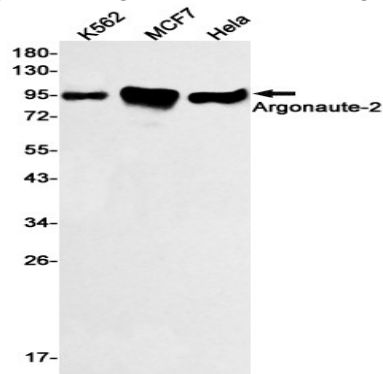
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Immunocytochemistry analysis of Argonaute 2 (green) in HCT116 using Argonaute 2 antibody, and DAPI (blue).



Western blot analysis of Argonaute2 in K562, MCF-7, HeLa lysates using Argonaute2 antibody.

## Note

For research use only.