

## Product datasheet

### Anti-AGO3 antibody [EPR9576] $\alpha$ b154844


KO **VALIDATED**

Recombinant

RabMAb<sup>®</sup>

[1 References](#) [3 Images](#)

#### Overview

Product name	Anti-AGO3 antibody [EPR9576]
Description	Rabbit monoclonal [EPR9576] to AGO3
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC/IF, IHC-P or IP
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, Daudi, A549 cell lysates. Human fetal brain and fetal kidney lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR9576

Isotype IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab154844 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 97 kDa.

**Application notes** Is unsuitable for ICC/IF, IHC-P or IP.

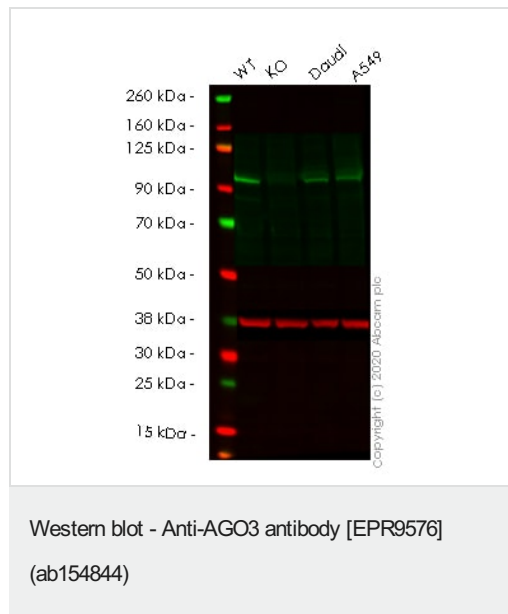
## Target

**Function** Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Lacks endonuclease activity and does not appear to cleave target mRNAs.

**Sequence similarities** Belongs to the argonaute family. Ago subfamily.  
Contains 1 PAZ domain.  
Contains 1 Piwi domain.

**Cellular localization** Cytoplasm > P-body.

## Images



**All lanes :** Anti-AGO3 antibody [EPR9576] (ab154844) at 1/2000 dilution

**Lane 1 :** Wild-type HeLa lysate

**Lane 2 :** Argonaute RISC Catalytic Component 3 knockout HeLa lysate

**Lane 3 :** Daudi lysate

**Lane 4 :** A549 lysate

Lysates/proteins at 40 µg per lane.

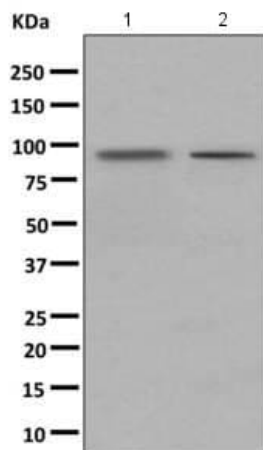
Performed under reducing conditions.

**Predicted band size:** 97 kDa

**Lanes 1-4:** Merged signal (red and green). Green - ab154844 observed at 97 kDa. Red - loading control **ab8245** observed at 37

kDa.

ab154844 Anti-AGO3 antibody [EPR9576] was shown to specifically react with Argonaute RISC Catalytic Component 3 in wild-type HeLa cells. Loss of signal was observed when knockout cell line **ab265320** (knockout cell lysate **ab257819**) was used. Wild-type and Argonaute RISC Catalytic Component 3 knockout samples were subjected to SDS-PAGE. ab154844 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 2000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-AGO3 antibody [EPR9576] (ab154844)

**All lanes** : Anti-AGO3 antibody [EPR9576] (ab154844) at 1/1000 dilution

**Lane 1** : Human fetal brain lysate

**Lane 2** : Human fetal kidney lysate

Lysates/proteins at 10 µl/ml buffer per lane.

**Predicted band size:** 97 kDa

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-AGO3 antibody [EPR9576] (ab154844)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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