abcam

Product datasheet

Anti-AGO3 antibody [EPR9576] - BSA and Azide free ab249147

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-AGO3 antibody [EPR9576] - BSA and Azide free
Description	Rabbit monoclonal [EPR9576] to AGO3 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab249147 is the carrier-free version of **ab154844**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR9576
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249147 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

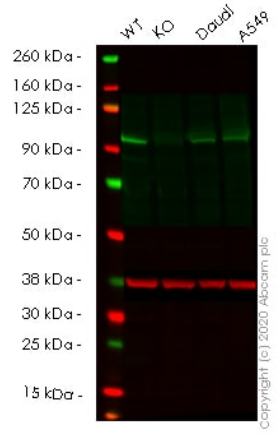
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 97 kDa.

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



Western blot - Anti-AGO3 antibody [EPR9576] - BSA and Azide free (ab249147)

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.

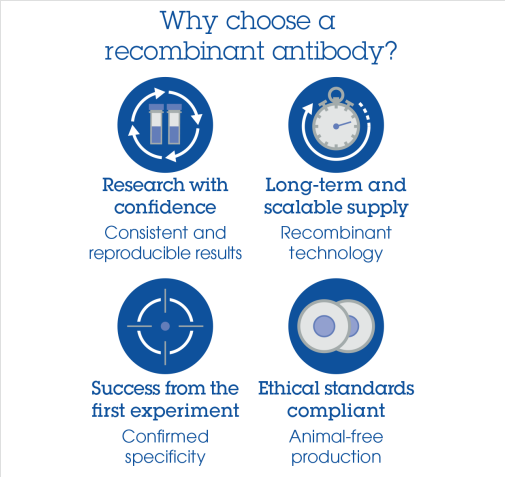
Performed under reducing conditions.

Predicted band size: 97 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab154844**).

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.



Anti-AGO3 antibody [EPR9576] - BSA and Azide free (ab249147)

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