abcam

Product datasheet

Anti-AIDA antibody [EPR19161] - BSA and Azide free ab224718

KO VALIDATED Recombinant RabMAb

3 Images

Overview

Product name	Anti-AIDA antibody [EPR19161] - BSA and Azide free
Description	Rabbit monoclonal [EPR19161] to AIDA - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Immortalized wild type MEF cell lysate.
General notes	ab224718 is the carrier-free version of **ab199323**. 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	Protein A purified
Clonality	Monoclonal
Clone number	EPR19161
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224718 in the following tested applications.

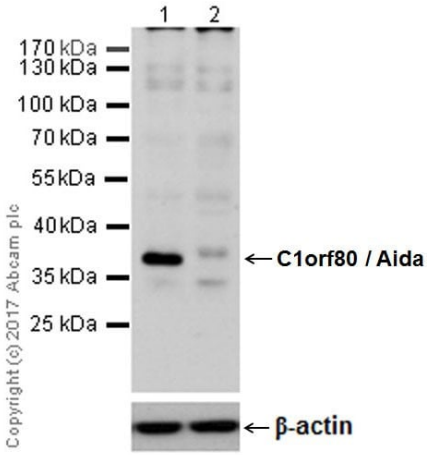
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 34 kDa (predicted molecular weight: 35 kDa). Under our experimental conditions **ab199323** detected non-specific bands in WB. However, the band of interest at ~36kDa disappears from the knockout sample demonstrating the specificity of the antibody.

Target

Function	Acts as a ventralizing factor during embryogenesis. Inhibits axin-mediated JNK activation by binding axin and disrupting axin homodimerization. This in turn antagonizes a Wnt/beta-catenin-independent dorsalization pathway activated by AXIN/JNK-signaling.
Tissue specificity	Widely expressed in adult tissues, with highest expression in the heart and skeletal muscle.
Sequence similarities	Belongs to the AIDA family.

Images



Western blot - Anti-AIDA antibody [EPR19161] - BSA and Azide free (ab224718)

All lanes : Anti-AIDA antibody [EPR19161] (**ab199323**) at 1/500 dilution

Lane 1 : Immortalized wild type MEF (mouse embryonic fibroblast cell line), whole cell lysate
Lane 2 : Aida knockout immortalized MEF, whole cell lysate

Lysates/proteins at 15 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L), HRP conjugate at 1/5000 dilution

Developed using the ECL technique.

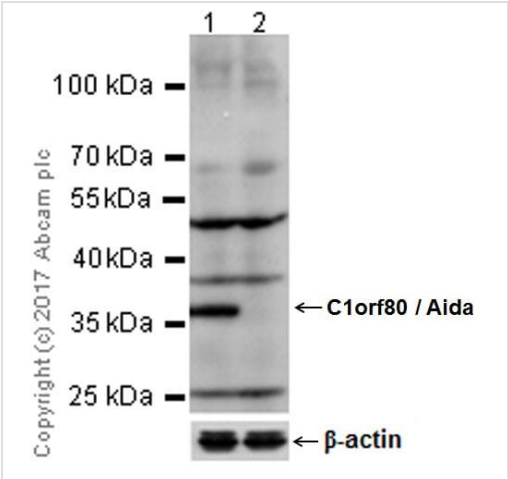
Predicted band size: 35 kDa
Observed band size: 36 kDa

Exposure time: 30 seconds

Blocking buffer: 5% NFDM/TBST; Dilution buffer: 5% BSA/TBST.

The data was kindly provided by our collaborator Dr. Sheng-Cai Lin, Xiamen University.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199323**).



Western blot - Anti-AIDA antibody [EPR19161] - BSA and Azide free (ab224718)

All lanes : Anti-AIDA antibody [EPR19161] (**ab199323**) at 1/500 dilution

Lane 1 : Wild type mouse lung homogenate
Lane 2 : Aida knockout mouse lung homogenate

Lysates/proteins at 50 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L), HRP conjugate at 1/5000 dilution

Developed using the ECL technique.

Predicted band size: 35 kDa
Observed band size: 36 kDa

Exposure time: 15 seconds

Blocking buffer: 5% NFDM/TBST; Dilution buffer: 5% BSA/TBST.

The data was kindly provided by our collaborator Dr. Sheng-Cai Lin, Xiamen University.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab199323**).

Anti-AIDA antibody [EPR19161] - BSA and Azide free (ab224718)

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