

Anti-AIDA antibody [EPR20903-53] - BSA and Azide free ab274421

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-AIDA antibody [EPR20903-53] - BSA and Azide free
Description	Rabbit monoclonal [EPR20903-53] to AIDA - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: MEF, NIH/3T3, RAE 264.7, C2C12, HeLa, U-87 MG, C6 and PC-12 whole cell lysates.
General notes	<p>ab274421 is the carrier-free version of ab234419.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20903-53
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab274421 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

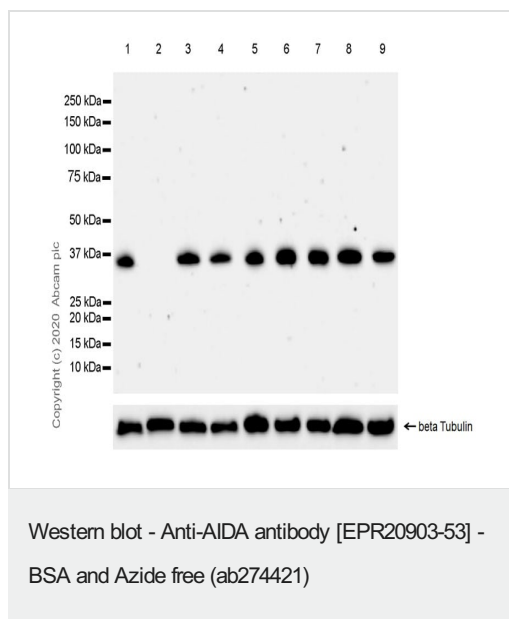
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 36 kDa (predicted molecular weight: 35 kDa).

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

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



All lanes : Anti-AIDA antibody [EPR20903-53] ([ab234419](#)) at 1/1000 dilution

Lane 1 : Wild-type MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate

Lane 2 : AIDA knockout MEF whole cell lysate

Lane 3 : NIH/3T3 (mouse embryonic fibroblast) whole cell lysate

Lane 4 : RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 5 : C2C12 (mouse myoblasts myoblast) whole cell lysate

Lane 6 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 7 : U-87 MG (human glioblastoma-astrocytoma epithelial cell) whole cell lysate

Lane 8 : C6 (rat glial tumor glial cell) whole cell lysate

Lane 9 : PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

Lysates/proteins at 40 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/50000 dilution

Predicted band size: 35 kDa

Observed band size: 36 kDa

This data was developed using [ab234419](#), the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

[ab234419](#) was shown to specifically react with AIDA in wild-type MEF cells as signal was lost in AIDA knockout cells. Wild-type and

AIDA knockout samples were subjected to SDS-PAGE. **ab234419** and **ab52901** (Rabbit anti-beta Tubulin loading control) were incubated 1 hour at room temperature at 1/1000 dilution and 1/20,000 dilution respectively. Blots were developed with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) secondary antibody at 1/50,000 dilution and 1/100,000 dilution for 1 hour at room temperature before imaging respectively. The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument using the ECL technique.

AIDA knockout MEF cell lysate was kindly provided by our collaborator.

Exposure time: 3 minutes.

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-AIDA antibody [EPR20903-53] - BSA and Azide free (ab274421)

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

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