abcam

Product datasheet

Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free ab249293

KO VALIDATED Recombinant RabMAb

9 Images

Overview

Product name	Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR11449(B)] to ADRM1/ARM-1 - BSA and Azide free
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	**Suitable for:** ICC/IF, WB, IHC-P, IP, Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HEK293T, K562, HeLa and Raji cell lysates. IP: Raji cells.
General notes	ab249293 is the carrier-free version of **ab157185**. 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	EPR11449(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249293 in the following tested applications.

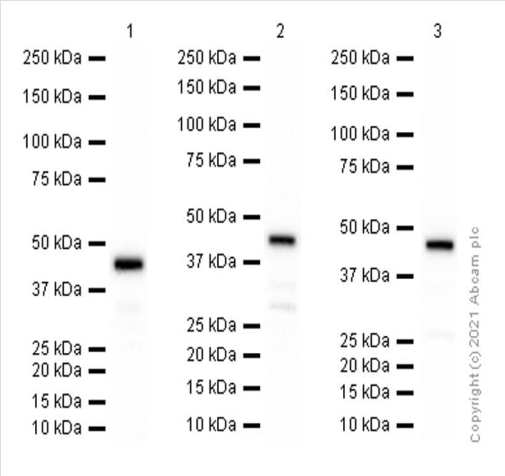
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 42 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

Target

Function	Functions as a proteasomal ubiquitin receptor. Recruits the deubiquitinating enzyme UCHL5 at the 26S proteasome and promotes its activity.
Sequence similarities	Belongs to the ADRM1 family. Contains 1 PH domain.
Domain	The PH domain mediates interactions with PSMD1 and ubiquitin. Preferential binding to the proximal subunit of K48-linked diubiquitin allows UCHL5 access to the distal subunit.
Cellular localization	Cytoplasm. Nucleus.

Images



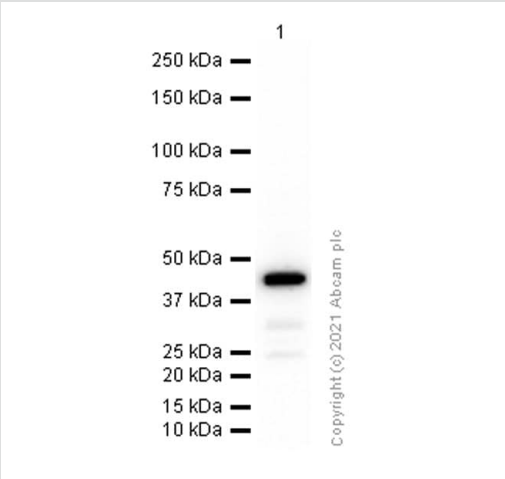
Western blot - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

All lanes : Anti-ADRM1/ARM-1 antibody [EPR11449(B)] (**ab157185**) at 1/10000 dilution (Purified)

Lane 1 : Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysate
Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate
Lane 3 : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysate

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 42 kDa

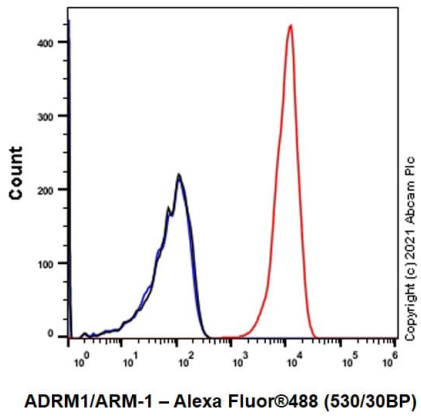


Western blot - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

Anti-ADRM1/ARM-1 antibody [EPR11449(B)] (**ab157185**) at 1/1000 dilution (Purified) + Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

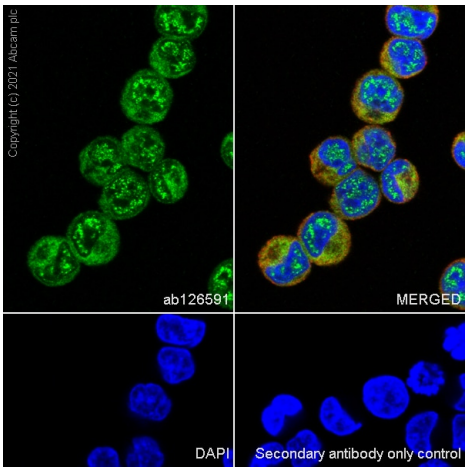
Secondary
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 42 kDa



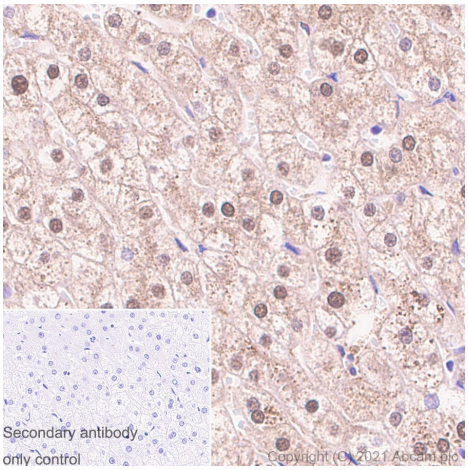
Flow Cytometry - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

This data was developed using ab249293, the same antibody clone in a different buffer formulation.
Flow Cytometry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labelling ADRM1/ARM-1 with Purified ab249293 at 1:60 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1:2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabelled control - Cell without incubation with primary antibody and secondary antibody (Blue).



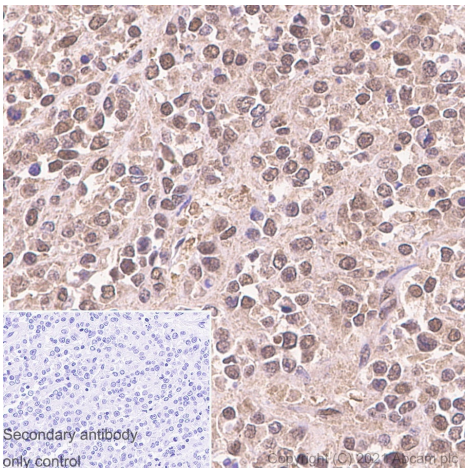
Immunocytochemistry/ Immunofluorescence - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

This data was developed using ab249293, the same antibody clone in a different buffer formulation.
Immunocytochemistry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling ADRM1/ARM-1 with Purified ab249293 at 1:1000 dilution (0.6 µg/ml). Cells were fixed in 100% Methanol and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A]+H21:L21 - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



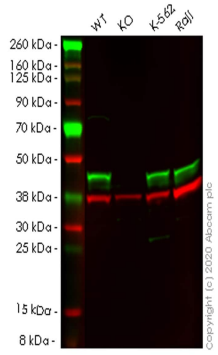
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

This data was developed using **ab157185**, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling ADRM1/ARM-1 with Purified **ab157185** at 1:9000 (0.07 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

This data was developed using **ab157185**, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human gastric cancer tissue sections labeling ADRM1/ARM-1 with Purified **ab157185** at 1:9000 (0.07 µg/ml). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

All lanes : Anti-ADRM1/ARM-1 antibody [EPR11449(B)] (**ab157185**) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate
Lane 2 : ADRM1 knockout HEK293T cell lysate
Lane 3 : K-562 cell lysate
Lane 4 : Raji cell lysate

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

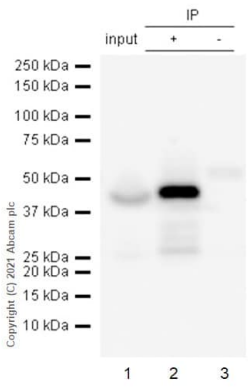
Predicted band size: 42 kDa
Observed band size: 42 kDa

This data was developed using **ab157185**, the same antibody clone in a different buffer formulation.

Lanes 1-4: Merged signal (red and green). Green - **ab157185** observed at 42 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab157185 Anti-ADRM1/ARM-1 antibody [EPR11449(B)] was shown to specifically react with ADRM1/ARM-1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266765** (knockout cell lysate **ab257816**) was used. Wild-type and ADRM1/ARM-1 knockout samples were subjected to SDS-PAGE. **ab157185** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 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.



Immunoprecipitation - Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

This data was developed using **ab157185**, the same antibody clone in a different buffer formulation.

ADRM1/ARM-1 was immunoprecipitated from 0.35 mg Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 µg with **ab157185** at 1/100 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate 10 µg

Lane 2: abab157185 IP in Raji whole cell lysate

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab157185** in Raji whole cell lysate

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

Anti-ADRM1/ARM-1 antibody [EPR11449(B)] - BSA and Azide free (ab249293)

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