abcam

Product datasheet

# Anti-POR1 antibody [EPR11943] - BSA and Azide free ab250206

Recombinant RabMAb

7 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-POR1 antibody [EPR11943] - BSA and Azide free |
| **Description** | Rabbit monoclonal [EPR11943] to POR1 - BSA and Azide free |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** Flow Cyt (Intra), IHC-P, ICC/IF, IP, WB |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| **Positive control** | Wb: SH-SY5Y, HeLa and HepG2 cell lysates. |
| **General notes** | ab250206 is the carrier-free version of **ab180503**.<br><br>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.<br><br>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.<br><br>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.<br><br>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.<br><br>This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br><br>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<br>Constituent: PBS |
| **Carrier free** | Yes |
| **Purity** | Protein A purified |
| **Clonality** | Monoclonal |
| **Clone number** | EPR11943 |
| **Isotype** | IgG |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab250206 in the following tested applications.

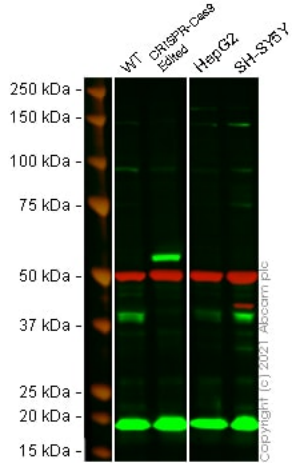
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **Flow Cyt (Intra)** | | Use at an assay dependent concentration. |
| **IHC-P** | | Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| **ICC/IF** | | Use at an assay dependent concentration. |
| **IP** | | Use at an assay dependent concentration. |
| **WB** | | Use at an assay dependent concentration. Predicted molecular weight: 38 kDa. |

## Target

| | |
|---|---|
| **Function** | Putative target protein of ADP-ribosylation factor. Involved in membrane ruffling. |
| **Sequence similarities** | Contains 1 AH domain. |

## Images




Western blot - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

**All lanes :** Anti-POR1 antibody [EPR11943] (**ab180503**) at 1/1000 dilution

**Lane 1 :** Wild-type HeLa cell lysate
**Lane 2 :** ARFIP2 CRISPR-Cas9 Edited HeLa cell lysate
**Lane 3 :** HepG2 cell lysate
**Lane 4 :** SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

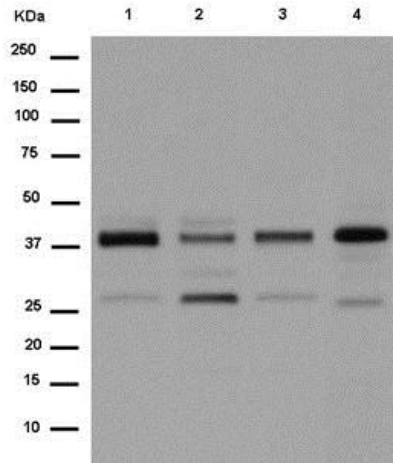
Performed under reducing conditions.

**Predicted band size:** 38 kDa
**Observed band size:** 38 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab180503**).

**Lanes 1 - 4:** Merged signal (red and green). Green - **ab180503** observed at 38 kDa. Red - loading control, **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55 kDa.

**ab180503** was shown to react with POR1 in western blot. The band observed in the knockout lysate lane above 38 kDa is likely to represent an inserted form. This has not been investigated further. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with **ab180503** and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4 °C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.




Western blot - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

**All lanes :** Anti-POR1 antibody [EPR11943] (**ab180503**) at 1/5000 dilution

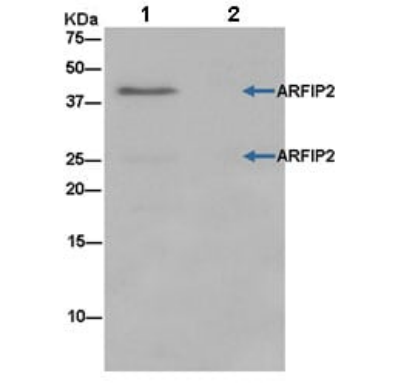
**Lane 1 :** SH-SY5Y cell lysate
**Lane 2 :** MCF-7 cell lysate
**Lane 3 :** HeLa cell lysate
**Lane 4 :** HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**
**All lanes :** Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

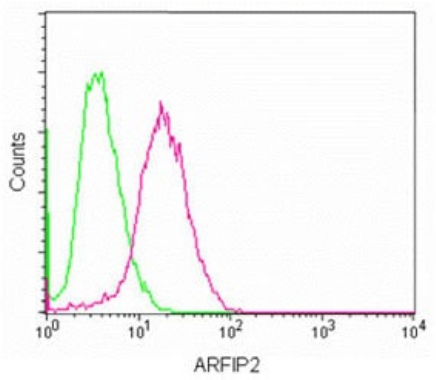
**Predicted band size:** 38 kDa

This data was developed using **ab180503**, the same antibody clone in a different buffer formulation.




Immunoprecipitation - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

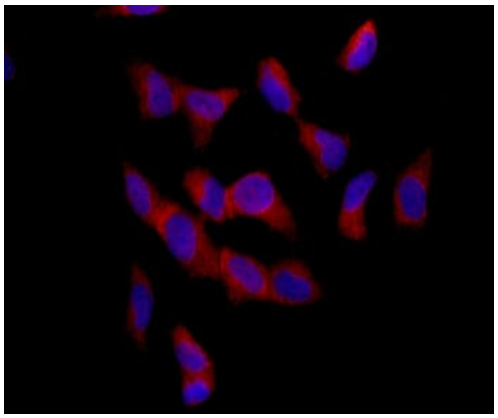
This data was developed using **ab180503**, the same antibody clone in a different buffer formulation.Western blot analysis of SH-SY5Y cell lysate (Lane 1) and Negative control (Lane 2) immunoprecipitated with **ab180503** at 1/30 dilution. Rabbit TrueBlot®:Anti-Rabbit IgG HRP secondary antibody used at 1/1500 dilution.




Flow Cytometry (Intracellular) - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

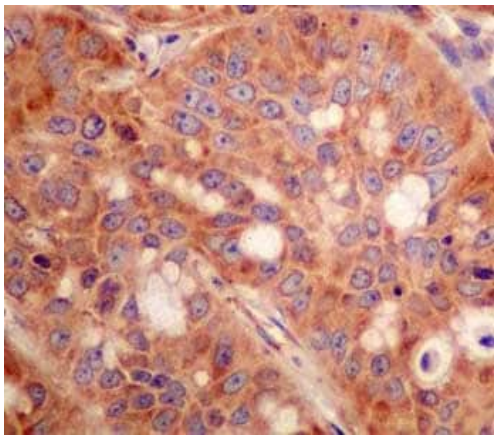
This data was developed using **ab180503**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed SH-SY5Y cells labeling POR2 with **ab180503** at 1/150 dilution (red), compared to a Rabbit monoclonal IgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/75 dilution.



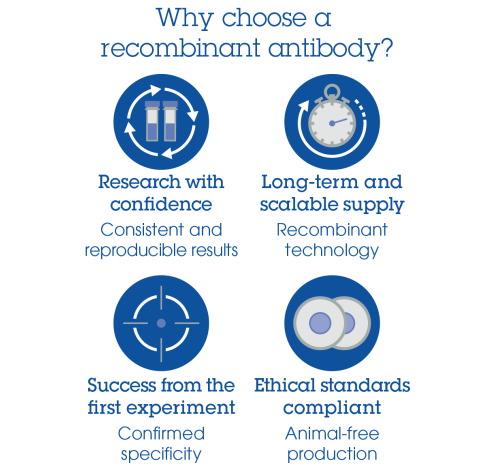
Immunocytochemistry/ Immunofluorescence - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

This data was developed using **ab180503**, the same antibody clone in a different buffer formulation.Immunofluorescent analysis of 4% paraformaldehyde-fixed SH-SY5Y cells labeling POR2 with **ab180503** at 1/1000 dilution, followed by Goat anti rabbit IgG (Dylight 555) secondary antibody at 1/250 dilution. Counter stained with DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)

This data was developed using **ab180503**, the same antibody clone in a different buffer formulation.Immunohistochemical analysis of paraffin-embedded Human gastric carcinoma tissue labeling POR2 with **ab180503** at 1/500 dilution, followed by ImmunoHistoprobe (Ready to use) HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.




Anti-POR1 antibody [EPR11943] - BSA and Azide free (ab250206)



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