


Anti-EXOC2 antibody [EPR9420] - BSA and Azide free ab248907

Recombinant RabMAb

4 Images

Overview

Product name	Anti-EXOC2 antibody [EPR9420] - BSA and Azide free
Description	Rabbit monoclonal [EPR9420] to EXOC2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), 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.
Positive control	WB: HeLa, SH-SY5Y, Daudi, BxPC-3 cell lysates; Human placenta and Fetal brain lysates. Flow Cyt (intra): BxPC-3 cells.
General notes	<p>ab248907 is the carrier-free version of ab140620.</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>

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	EPR9420
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab248907 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

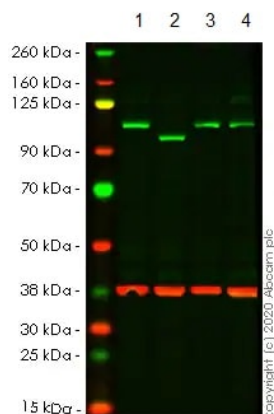
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 104 kDa.

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

Target

Function	Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.
Tissue specificity	Widely expressed with highest levels in brain and placenta.
Sequence similarities	Belongs to the SEC5 family. Contains 1 IPT/TIG domain.
Domain	Interacts with RALA through the TIG domain.

Images



Western blot - Anti-EXOC2 antibody [EPR9420] - BSA and Azide free (ab248907)

All lanes : Anti-EXOC2 antibody [EPR9420] ([ab140620](#)) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : EXOC2 CRISPR/Cas9 edited HeLa cell lysate

Lane 3 : SH-SY5Y cell lysate

Lane 4 : Daudi cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 104 kDa

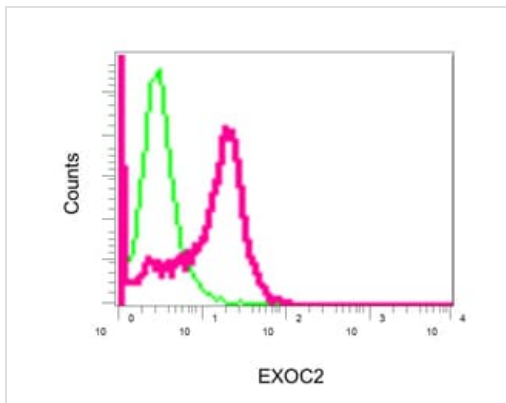
Observed band size: 104 kDa

This data was developed using the same antibody clone in a different buffer formulation ([ab140620](#)).

Lanes 1- 4: Merged signal (red and green). Green - [ab140620](#) observed at 104 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

[ab140620](#) was shown to react with EXOC2 in wild-type HeLa cells in western blot. The band observed in CRISPR/Cas9 edited cell line [ab265839](#) (CRISPR/Cas9 edited cell lysate [ab257944](#)) lane below 104kDa may represent truncated forms and cleaved fragments.

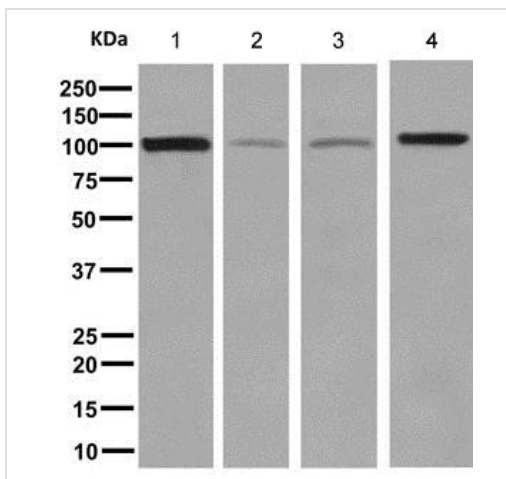
This has not been investigated further. Wild-type HeLa and EXOC2 CRISPR/Cas9 edited HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. [ab140620](#) and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at a 1 in 1000 dilution and a 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.



Flow Cytometry (Intracellular) - Anti-EXOC2 antibody
[EPR9420] - BSA and Azide free (ab248907)

This data was developed using **ab140620**, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of permeabilized BxPC-3 cells labelling EXOC2 with **ab140620** at 1/10 dilution (red) or a Rabbit IgG negative control (green).



Western blot - Anti-EXOC2 antibody [EPR9420] -
BSA and Azide free (ab248907)

All lanes : Anti-EXOC2 antibody [EPR9420] (**ab140620**) at 1/1000 dilution

Lane 1 : BxPC-3 cell lysate

Lane 2 : Human placenta tissue lysate

Lane 3 : Fetal brain tissue lysate

Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 104 kDa

This data was developed using **ab140620**, the same antibody clone in a different buffer formulation.

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-EXOC2 antibody [EPR9420] - BSA and Azide free (ab248907)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors