


Product datasheet

Anti-Drebrin antibody [EPR12640(B)] - BSA and Azide free ab249903

KO VALIDATED Recombinant RabMAb

5 Images

Overview

Product name	Anti-Drebrin antibody [EPR12640(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR12640(B)] to Drebrin - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, ICC/IF, WB Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249903 is the carrier-free version of ab176318.</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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR12640(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249903 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

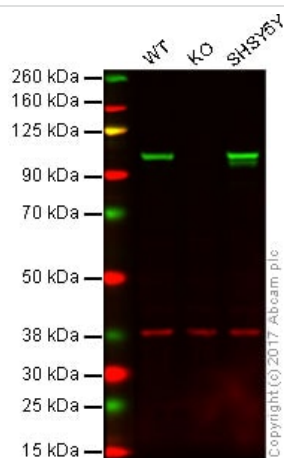
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 71 kDa.

Application notes Is unsuitable for Flow Cyt or IHC-P.

Target

Function	Drebrins might play some role in cell migration, extension of neuronal processes and plasticity of dendrites, respectively.
Tissue specificity	Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.
Sequence similarities	Contains 1 ADF-H domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-Drebrin antibody [EPR12640(B)]
- BSA and Azide free (ab249903)

This data was developed using [ab176318](#), the same antibody clone in a different buffer formulation.

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

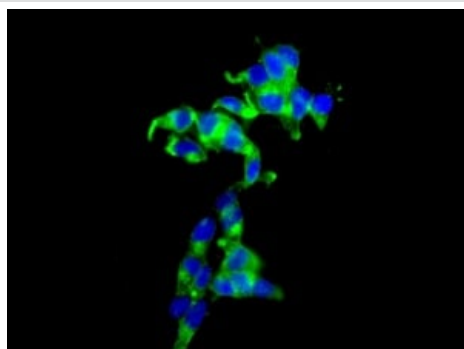
Lane 2: Drebrin knockout HAP1 whole cell lysate (20 µg)

Lane 3: SH-SY5Y whole cell lysate (20 µg)

Lanes 1 - 3: Merged signal (red and green). Green - [ab176318](#) observed at 120 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

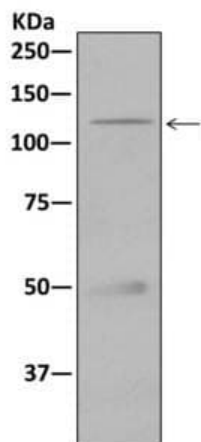
[ab176318](#) was shown to specifically react with Drebrin in wild-type cells as signal was lost in Drebrin knockout cells. Wild-type and Drebrin knockout samples were subjected to SDS-PAGE.

[ab176318](#) and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed 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 1/20000 dilution for 1 hour at room temperature before imaging.



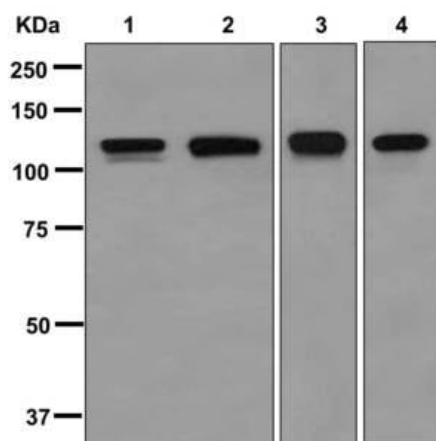
Immunocytochemistry/ Immunofluorescence - Anti-Drebrin antibody [EPR12640(B)] - BSA and Azide free (ab249903)

This data was developed using [ab176318](#), the same antibody clone in a different buffer formulation. Immunofluorescent staining of SH-SY5Y cells labeling Drebrin using [ab176318](#) at a 1/100 dilution (green), with DAPI nuclear staining (blue).



Immunoprecipitation - Anti-Drebrin antibody
[EPR12640(B)] - BSA and Azide free (ab249903)

This data was developed using **ab176318**, the same antibody clone in a different buffer formulation. Western blot analysis on immunoprecipitation pellet from SH-SY5Y cell lysate labeling Drebrin using **ab176318** at a 1/10 dilution.



Western blot - Anti-Drebrin antibody [EPR12640(B)]
- BSA and Azide free (ab249903)

All lanes : Anti-Drebrin antibody [EPR12640(B)] (**ab176318**) at 1/1000 dilution

Lane 1 : SH-SY5Y lysate

Lane 2 : Fetal brain lysate

Predicted band size: 71 kDa

This data was developed using **ab176318**, 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-Drebrin antibody [EPR12640(B)] - BSA and Azide free (ab249903)

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

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