

Product datasheet

Anti-FNDC5 antibody [EPR12209] ab174833

Recombinant RabMAb

★★★★★ 1 Abreviews 24 References 4 Images

Overview

Product name	Anti-FNDC5 antibody [EPR12209]
Description	Rabbit monoclonal [EPR12209] to FNDC5
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human FNDC5 aa 50-150 (Cysteine residue). The exact sequence is proprietary. Database link: Q8NAU1 (Peptide available as ab204133)
Positive control	WB: Skeletal Muscle (Mouse) Whole Cell Lysate (ab3869), Human fetal, mouse and rat muscle tissue lysates.
General notes	

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](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12209
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab174833** 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	★★★★★	1/1000 - 1/5000. Predicted molecular weight: 24 kDa. Can be blocked with FNDC5 peptide (ab204133) .

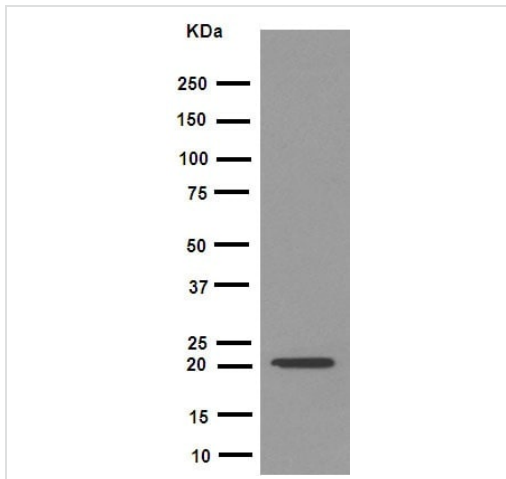
Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Sequence similarities Contains 1 fibronectin type-III domain.

Cellular localization Peroxisome membrane. Imported in peroxisomes through the PEX5 receptor pathway.

Images



Western blot - Anti-FNDC5 antibody [EPR12209] (ab174833)

Anti-FNDC5 antibody [EPR12209] (ab174833) at 1/1000 dilution (purified) + Human fetal muscle tissue lysate at 10 µg

Secondary

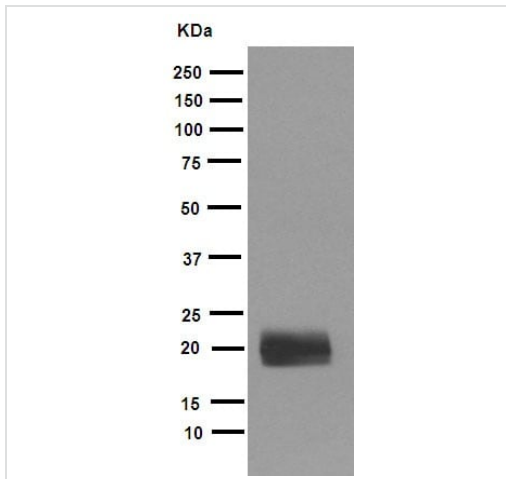
HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 24 kDa

Observed band size: 24 kDa

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm /TBST.



Western blot - Anti-FNDC5 antibody [EPR12209] (ab174833)

Anti-FNDC5 antibody [EPR12209] (ab174833) at 1/1000 dilution (purified) + Mouse muscle tissue lysate at 10 µg

Secondary

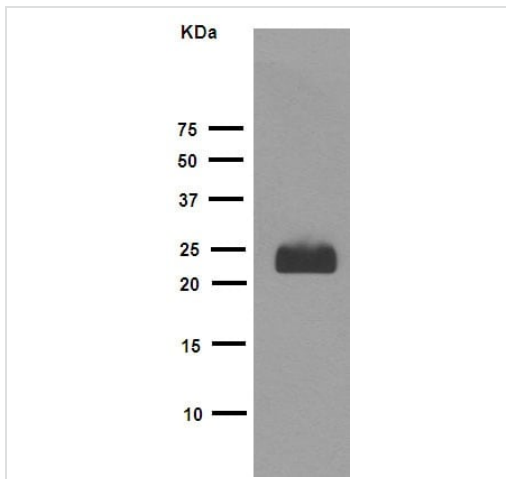
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Observed band size: 24 kDa

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm /TBST.



Western blot - Anti-FNDC5 antibody [EPR12209] (ab174833)

Anti-FNDC5 antibody [EPR12209] (ab174833) at 1/5000 dilution (purified) + Rat muscle at 10 µg

Secondary

HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG at 1/1000 dilution





Predicted band size: 24 kDa

Observed band size: 24 kDa

Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm /TBST.

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-FNDC5 antibody [EPR12209] (ab174833)

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
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- 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

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