

Product datasheet

Anti-GDF8 / Myostatin antibody ab203076

4 References 4 Images

Overview

Product name	Anti-GDF8 / Myostatin antibody
Description	Rabbit polyclonal to GDF8 / Myostatin
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human GDF8/ Myostatin aa 300-350 conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Sequence: APKRYKANYCSGECEVFVLQKYPHTHLVHQANPRGSAGP CCTPTKMSPIN M

Database link: [O14793](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control Skeletal Muscle (Mouse) Whole Cell Lysate ([ab3869](#)) can be used as a positive control in WB. Mouse small intestine and rat heart tissues; Mouse skeletal muscle, Human muscle and C2C12 lysates.

General notes

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 0.01% BSA, 50% Glycerol Aqueous buffered solution.
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab203076** in the following tested applications.

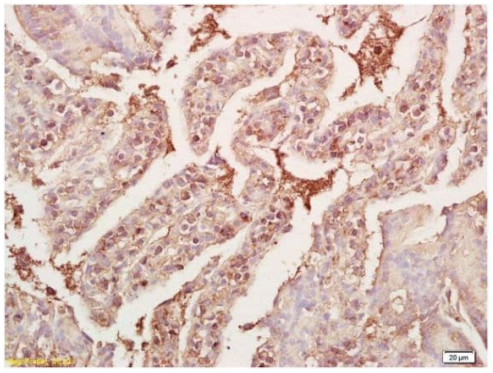
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. (or 1/50 - 1/200 using a fluorescent secondary antibody).
WB		1/100 - 1/1000. Predicted molecular weight: 43 kDa.

Target

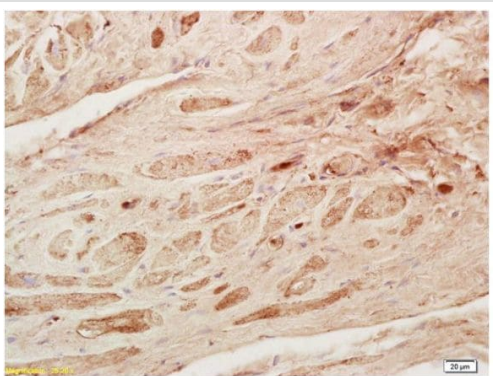
Function	Acts specifically as a negative regulator of skeletal muscle growth.
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.

Images



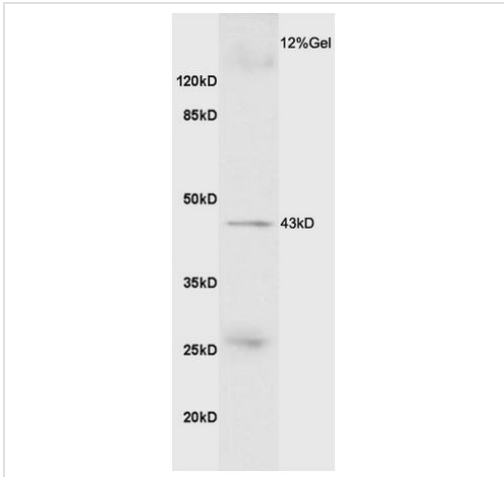
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF8 / Myostatin antibody (ab203076)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Mouse small intestine tissue labeling GDF8 / Myostatin with ab203076 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GDF8 / Myostatin antibody (ab203076)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Rat heart tissue labeling GDF8 / Myostatin with ab203076 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.



Western blot - Anti-GDF8 / Myostatin antibody (ab203076)

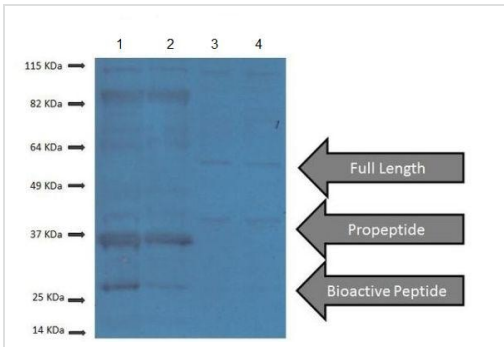
Anti-GDF8 / Myostatin antibody (ab203076) at 1/200 dilution (overnight at 4°C) + Mouse skeletal muscle lysate

Secondary

Goat Anti-Rabbit IgG Antibody (H+L), HRP Conjugated (90 min at 37°C) at 1/3000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa



Western blot - Anti-GDF8 / Myostatin antibody (ab203076)

Generously provided by Bradley Elliott from University of Westminster as part of the Bioss Discovery Program.

All lanes : Anti-GDF8 / Myostatin antibody (ab203076) at 1/1000 dilution (overnight at 4°C)

Lanes 1-2 : Human muscle lysates

Lanes 3-4 : C2C12 cell lysates

Predicted band size: 43 kDa

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