**Product datasheet**

**Anti-GDF8 / Myostatin antibody ab71808**

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**Overview**

**Product name** Anti-GDF8 / Myostatin antibody

**Description** Rabbit polyclonal to GDF8 / Myostatin

**Host species** Rabbit

**Tested applications** Suitable for: WB, IHC-P

**Species reactivity** Reacts with: Mouse, Human

**Immunogen** Synthetic peptide corresponding to Human GDF8/ Myostatin aa 9-38 (N terminal) conjugated to Keyhole Limpet Haemocyanin (KLH).

Database link: 2660

**Positive control** Purchase matching WB positive control: Recombinant human GDF8 / Myostatin protein

WB: Mouse liver tissue lysate. IHC-P: Human skeletal muscle tissue.

**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
Consistent: PBS

**Purity** Ammonium Sulphate Precipitation

**Purification notes** This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Clonality** Polyclonal

**Isotype** IgG

**Applications**

Our Abpromise guarantee covers the use of ab71808 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**
Acts specifically as a negative regulator of skeletal muscle growth.

**Sequence similarities**
Belongs to the TGF-beta family.

**Cellular localization**
Secreted.

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**Images**

- Western blot - Anti-GDF8 / Myostatin antibody (ab71808) at 1/2000 dilution (Anti-GDF8 Antibody (N24)) + Human skeletal muscle lysate at 20 µg

  **Secondary**
  Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/10000 dilution

  **Predicted band size**: 43 kDa
  **Observed band size**: 43 kDa

  Blocking/Dilution buffer: 5% NFDM/TBST

- All lanes : Anti-GDF8 / Myostatin antibody (ab71808) at 1/2000 dilution

  **Lane 1** : Hela whole cell lysate
  **Lane 2** : K562 whole cell lysate

  Lysates/proteins at 20 µg per lane.

  **Secondary**
  All lanes : Goat anti-rabbit IgG (H+L), peroxidase conjugated at 1/10000 dilution

  **Predicted band size**: 43 kDa
Immunohistochemical staining of GDF8 / Myostatin in Human skeletal muscle tissue sections (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections) with ab71808 at a dilution of 1/25. Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hours at 38°C. Antigen retrieval was heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A HRP-conjugated goat anti-rabbit polyclonal (ready to use) was used as the secondary antibody.

Anti-GDF8 / Myostatin antibody (ab71808) at 1/2000 dilution + Human heart lysate at 20 µg

Secondary
Goat anti-Rabbit IgG (H+L), peroxidase conjugated at 1/10000 dilution

Predicted band size: 43 kDa

Anti-GDF8 / Myostatin antibody (ab71808) at 1/2000 dilution + Mouse liver lysate at 20 µg with NFDM/TBST at 5 %

Secondary
Goat anti-rabbit (H+L), peroxidase conjugated at 1/10000 dilution

Predicted band size: 43 kDa
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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