**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  
Constituent: 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.

Application | Abreviews | Notes
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WB | | 1/1000. Detects a band of approximately 43 kDa (predicted molecular weight: 43 kDa).
IHC-P | | 1/50.

Target

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

Images

Western blot - Anti-GDF8 / Myostatin antibody (ab71808)

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
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