



Rabbit anti GDF-8 Polyclonal Antibody

Alternative Name(s): Growth differentiation factor 8

Order Information

- **Description:** GDF-8
- **Catalogue:** 620-870
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

Growth GDF-8

BACKGROUND

GDF-8/Myostatin is a secreted protein that is expressed in developing and adult skeletal muscle. It controls myoblast proliferation and is a potent negative regulator of skeletal muscle mass. It is upregulated in mechanically-stressed cardiomyocytes and induces the skeletal muscle wasting which is common in heart failure. The GDF-8 propeptide is cleaved from GDF-8 but remains associated and functions as an inhibitor of mature GDF-8. GDF-8 activity can also be inhibited through its association with Follistatin, FLRG, Decorin, or GASP-1. Active GDF-8 signals through a receptor complex containing Activin RIIB and either Activin RIB/ALK-4 or TGF-beta RI/ALK-5.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human GDF-8 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 43.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

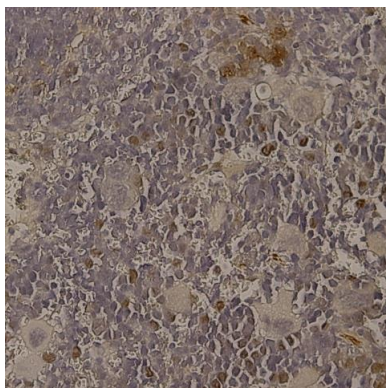
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human liver carcinoma (FFPE) stained with Rabbit anti-GDF8 (Cat# 620-870) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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