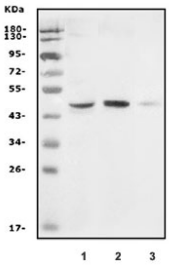
GDF8 Antibody / Myostatin (RQ6108)

Catalog No.	Formulation	Size
RQ6108	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O14793
Applications	Western Blot : 1-2ug/ml
Limitations	This GDF8 antibody is available for research use only.



Western blot testing of 1) human Caco-2, 2) rat skeletal muscle and 3) mouse skeletal muscle with GDF8 antibody. Predicted molecular weight ~42 kDa.

Description

Myostatin (also known as growth differentiation factor 8, abbreviated GDF-8) is a myokine, a protein produced and released by myocytes that acts on muscle cells' autocrine function to inhibit myogenesis: muscle cell growth and differentiation. In humans it is encoded by the MSTN gene. This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with

increased skeletal muscle mass in humans and other mammals.

Application Notes

Optimal dilution of the GDF8 antibody should be determined by the researcher.

Immunogen

Amino acids SGECEFVFLQKYPH from the human protein were used as the immunogen for the GDF8 antibody.

Storage

After reconstitution, the GDF8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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