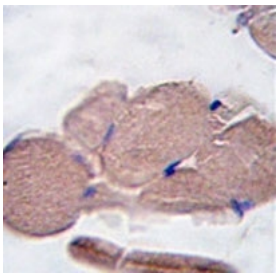
Myostatin Antibody / GDF8 (F47925)

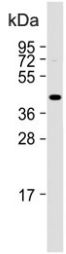
Catalog No.	Formulation	Size
F47925-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F47925-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

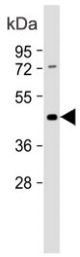
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Bovine, Pig, Primate
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O14793
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50
Limitations	This Myostatin antibody is available for research use only.



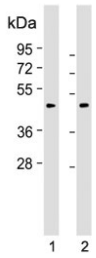
IHC analysis of FFPE human skeletal muscle tissue stained with Myostatin antibody



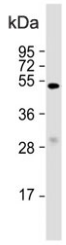
Western blot testing of human skeletal muscle tissue lysate with Myostatin antibody. Predicted molecular weight ~43 kDa.



Western blot testing of human heart tissue lysate with Myostatin antibody. Predicted molecular weight ~43 kDa.



Western blot testing of human 1) HeLa and 2) K562 cell lysate with Myostatin antibody. Predicted molecular weight ~43 kDa.



Western blot testing of mouse liver tissue lysate with Myostatin antibody. Predicted molecular weight ~43 kDa.

Description

GDF8/Myostatin is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.

Application Notes

Titration of the Myostatin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 9-38 from the human protein was used as the immunogen for this Myostatin antibody.

Storage

Aliquot the Myostatin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.