ARG45359
anti-GDF8 / Myostatin antibody [13F2]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [13F2] recognizes GDF8 / Myostatin
Tested Reactivity	Ms
Tested Application	IHC-P
Host	Rat
Clonality	Monoclonal
Clone	13F2
Isotype	IgG2
Target Name	GDF8 / Myostatin
Species	Mouse
Immunogen	Recombinant Mouse GDF8 / Myostatin.
Conjugation	Un-conjugated
Alternate Names	MSTN; Myostatin; GDF8; Growth/Differentiation Factor 8; Growth Differentiation Factor 8; Myostatin-B; MSLHP; GDF-8

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

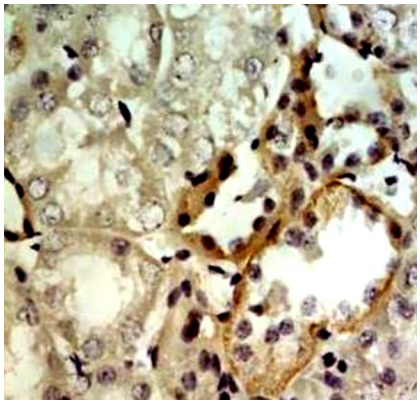
Properties

Form	Powder
Purification	Protein G/A chromatography
Buffer	PBS
Reconstitution	PBS
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MSTN
Gene Full Name	Myostatin
Background	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. [provided by RefSeq, Jul 2016]
Function	Acts specifically as a negative regulator of skeletal muscle growth.
Calculated Mw	43 kDa
PTM	Cleavage on pair of basic residues; Disulfide bond; Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG45359 anti-GDF8 / Myostatin antibody [13F2] IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG45359 anti-GDF8 / Myostatin antibody [13F2].