GDF-8 Monoclonal Antibody

Catalog No	YP-mAb-15915
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MSTN
Protein Name	Growth/differentiation factor 8
Immunogen	The antiserum was produced against synthesized peptide derived from human GDF-8. AA range:38-87
Specificity	GDF-8 Monoclonal Antibody detects endogenous levels of GDF-8 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MSTN; GDF8; Growth/differentiation factor 8; GDF-8; Myostatin
Calculated Molecular Weight	43kD
Cell Pathway	Secreted .
Tissue Specificity	Colon,Muscle,Pericardium,Skeletal muscle,
Function	function:Acts specifically as a negative regulator of skeletal muscle growth.,online information:Myostatin entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked (By similarity). Interacts with WFIKKN2, leading to inhibit its activity.,
Background	myostatin(MSTN) Homo sapiens 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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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