

## GDF-8 Monoclonal Antibody

<b>Catalog No :</b>	YM0303
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	GDF-8
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction
<b>Gene Name :</b>	MSTN
<b>Protein Name :</b>	Growth/differentiation factor 8
<b>Human Gene Id :</b>	2660
<b>Human Swiss Prot No :</b>	O14793
<b>Mouse Swiss Prot No :</b>	O08689
<b>Immunogen :</b>	Purified recombinant fragment of GDF-8 expressed in E. Coli.
<b>Specificity :</b>	GDF-8 Monoclonal Antibody detects endogenous levels of GDF-8 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	43kD
<b>P References :</b>	1. Clin Chim Acta. 2008 May;391(1-2):115-7.

2. Folia Morphol (Warsz). 2008 Feb;67(1):6-12.

**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],

**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.,

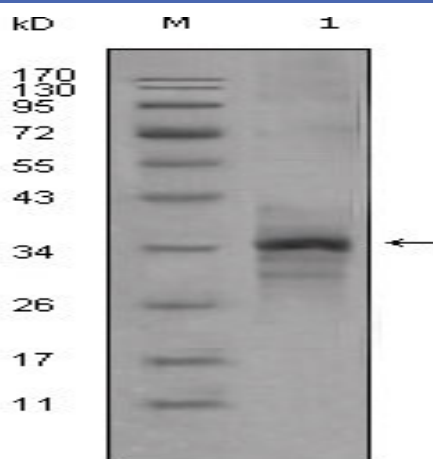
**Subcellular Location :**

Secreted .

**Expression :**

Colon,Muscle,Pericardium,Skeletal muscle,

## Products Images



Western Blot analysis using GDF-8 Monoclonal Antibody against truncated GDF-8-His recombinant protein (1).