

For Research Use Only

# GDF10 Monoclonal antibody

Catalog Number: 66371-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66371-1-Ig	<b>GenBank Accession Number:</b> BC028237	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2662	<b>CloneNo.:</b> 1B7D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P55107	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> growth differentiation factor 10	
<b>Immunogen Catalog Number:</b> AG4906	<b>Calculated MW:</b> 53 kDa	
	<b>Observed MW:</b> 53 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : pig bone marrow tissue, ROS1728 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, pig, rat	
<b>Cited Species:</b> rat	

## Background Information

Growth differentiation factor-10 (GDF10), also known as BMP3b, is a member of the transforming growth factor- $\beta$  (TGF- $\beta$ ) superfamily. 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 promotes neural repair after stroke. GDF10 plays a role in head formation and may have multiple roles in skeletal morphogenesis. Additionally, GDF10 may act as a tumor suppressor and reduced expression of this gene is associated with oral cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yun Wei Shi	28690033	Brain Behav Immun	WB

## Storage

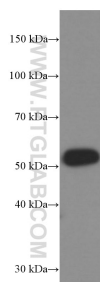
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



pig bone marrow tissue were subjected to SDS PAGE followed by western blot with 66371-1-Ig (GDF10 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.