

For Research Use Only

# GDF10 Monoclonal antibody, PBS Only



Catalog Number: 66371-1-PBS

## Basic Information

<b>Catalog Number:</b> 66371-1-PBS	<b>GenBank Accession Number:</b> BC028237	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2662	<b>CloneNo.:</b> 1B7D12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P55107	
<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

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, pig, rat

## Background Information

Growth differentiation factor-10 (GDF10), also known as BMP3b, is a member of the transforming growth factor-b (TGF-b) 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.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

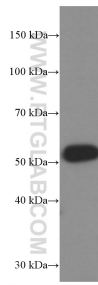
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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. This data was developed using the same antibody clone with 66371-1-PBS in a different storage buffer formulation.