

For Research Use Only

GDF10 Monoclonal antibody

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



Basic Information

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

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : pig bone marrow tissue, ROS1728 cells
Cited Applications: WB	
Species Specificity: human, pig, rat	
Cited Species: 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.

Notable Publications

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

Storage

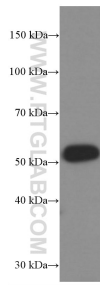
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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.