

For Research Use Only

# BMP5 Monoclonal antibody

Catalog Number: 66370-1-Ig



## Basic Information

<b>Catalog Number:</b> 66370-1-Ig	<b>GenBank Accession Number:</b> BC027958	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1800 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 653	<b>CloneNo.:</b> 1G6C10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P22003	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> bone morphogenetic protein 5	
<b>Immunogen Catalog Number:</b> AG3952	<b>Calculated MW:</b> 454 aa, 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : pig lung tissue, pig liver tissue
<b>Species Specificity:</b> human, pig	

## Background Information

Bone morphogenetic protein-5 (BMP5), is a member of the TGF-beta superfamily. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. BMP5 may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. BMP5 is differentially regulated in multiple human cancers.

## Storage

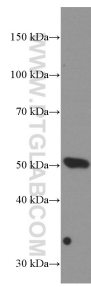
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



pig lung tissue were subjected to SDS PAGE followed by western blot with 66370-1-Ig (BMP5 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.