

For Research Use Only

# BMP3 Polyclonal antibody

Catalog Number: 22188-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 22188-1-AP	<b>GenBank Accession Number:</b> BC096269	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 600 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 651	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> bone morphogenetic protein 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 472 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG16750		

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> Recombinant protein,
<b>Species Specificity:</b> human	<b>IHC:</b> human liver cancer tissue, human lung cancer tissue, human liver tissue
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

BMP3 belongs to the transforming growth factor-beta (TGFB) superfamily. BMP3 plays an important role in embryonic development by inducing and patterning early skeletal formation. BMP3 has also been reported as a negative growth regulator in bone marrow progenitor cells through the inhibition of DNA synthesis and proliferation. Additionally, recent studies have revealed that BMP3 contributes to tumor development and progression.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yan Wei	25312381	Biol Trace Elem Res	WB

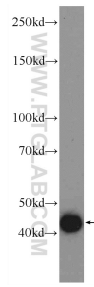
## Storage

**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

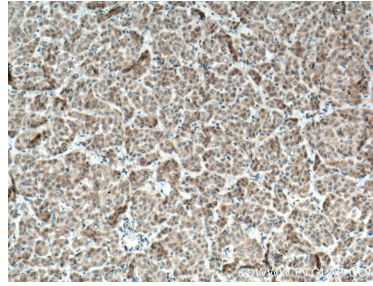
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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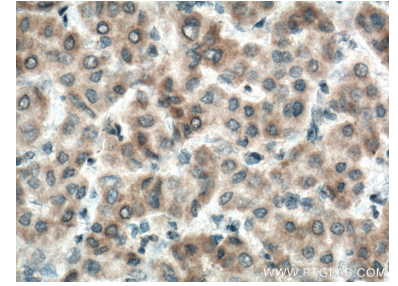
## Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 22188-1-AP (BMP3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22188-1-AP (BMP3 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 22188-1-AP (BMP3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).