

For Research Use Only

# BMPR2 Monoclonal antibody, PBS Only



Catalog Number: 68497-1-PBS

## Basic Information

<b>Catalog Number:</b> 68497-1-PBS	<b>GenBank Accession Number:</b> BC052985	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 659	<b>CloneNo.:</b> 2C1D7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13873	
<b>Isotype:</b> IgG1	<b>Full Name:</b> bone morphogenetic protein receptor, type II (serine/threonine kinase)	
<b>Immunogen Catalog Number:</b> AG5868	<b>Calculated MW:</b> 115 kDa	
	<b>Observed MW:</b> 120-140 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse

## Background Information

BMPs (bone morphogenetic protein) are involved in endochondral bone formation and embryogenesis. BMPR2 encodes a member of the (BMP) receptor family of transmembrane serine/threonine kinases. It is a widely expressed receptor, with high mRNA expression during development in many tissues. The dimer of BMPR2 receptors (70-80 kD) forms a complex with a dimer of type I BMPR1(50-55 kD) in signal transduction. This antibody recognizes endogenous levels of total BMPR2 protein, including 115 kD precursor, 75 kD mature form, and 150 kD dimer.

## Storage

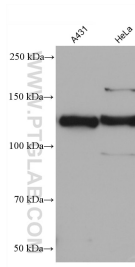
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

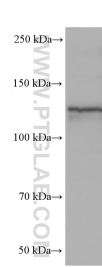
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68497-1-PBS in a different storage buffer formulation.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68497-1-PBS in a different storage buffer formulation.