

For Research Use Only

# BMPR2 Monoclonal antibody

Catalog Number: 68497-1-Ig



## Basic Information

<b>Catalog Number:</b> 68497-1-Ig	<b>GenBank Accession Number:</b> BC052985	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 659	<b>CloneNo.:</b> 2C1D7
<b>Source:</b> Mouse	<b>Full Name:</b> bone morphogenetic protein receptor, type II (serine/threonine kinase)	<b>Recommended Dilutions:</b>
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 115 kDa	
<b>Immunogen Catalog Number:</b> AG5868	<b>Observed MW:</b> 120-140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, NIH/3T3 cells, HeLa cells
<b>Species Specificity:</b> Human	

## 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. 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 -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

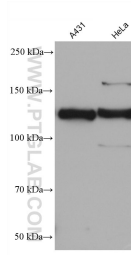
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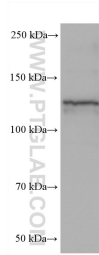
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMPR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68497-1-Ig (BMPR2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.