

For Research Use Only

# BMPR2 Polyclonal antibody, PBS Only

Catalog Number: 19087-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

19087-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5868

**GenBank Accession Number:**

BC052985

**GeneID (NCBI):**

659

**UNIPROT ID:**

Q13873

**Full Name:**

bone morphogenetic protein receptor, type II (serine/threonine kinase)

**Calculated MW:**

115 kDa

**Observed MW:**

120 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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, pH7.3

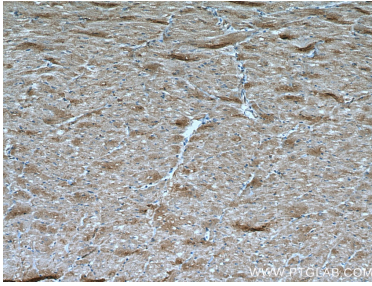
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

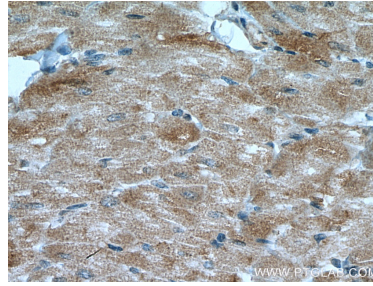
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

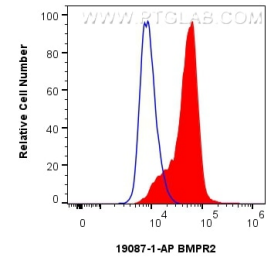
## Selected Validation Data



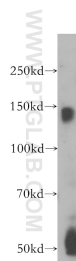
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19087-1-AP (BMPR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.



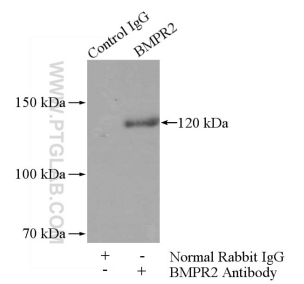
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19087-1-AP (BMPR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  PC-3 cells were intracellularly stained with 0.4  $\mu$ g BMPR2 Polyclonal antibody (19087-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.



human heart tissue were subjected to SDS PAGE followed by western blot with 19087-1-AP (BMPR2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.



IP result of anti-BMPR2 (IP:19087-1-AP, 4 $\mu$ g; Detection:19087-1-AP 1:1500) with mouse brain tissue lysate 4000 $\mu$ g. This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.