

For Research Use Only

BMPR2 Polyclonal antibody, PBS Only

Catalog Number:19087-1-PBS

Featured Product



Basic Information

Catalog Number:

19087-1-PBS

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

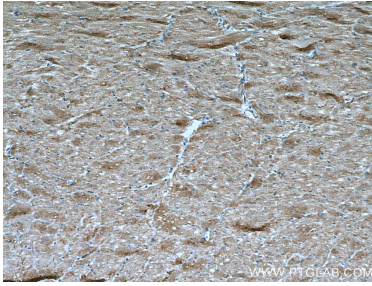
T: 4006900926

E: Proteintech-CN@ptglab.com

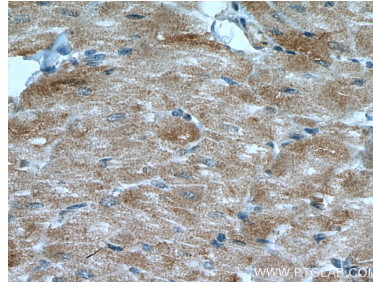
W: ptgcn.com

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

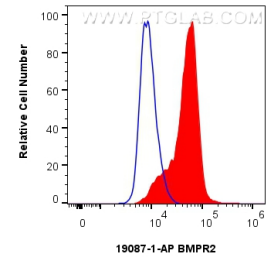
Selected Validation Data



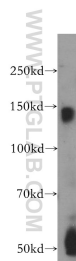
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19087-1-AP (BMPR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19087-1-PBS in a different storage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



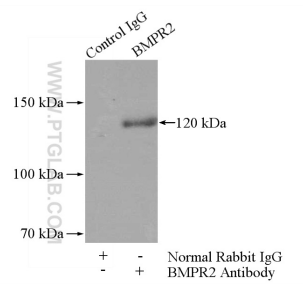
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19087-1-AP (BMPR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 19087-1-PBS in a different storage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



1×10^6 PC-3 cells were intracellularly stained with 0.4 μ g BMPR2 Polyclonal antibody (19087-1-AP) and CoraLite[®]488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 μ 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 μ g; Detection:19087-1-AP 1:1500) with mouse brain tissue lysate 4000 μ g. This data was developed using the same antibody clone with 19087-1-PBS in a different storage buffer formulation.