

### **Anti-BMPR2 Antibody**

Rabbit polyclonal antibody to BMPR2 Catalog # AP59917

#### **Specification**

### **Anti-BMPR2 Antibody - Product Information**

Application WB
Primary Accession Q13873
Other Accession Q35607

Reactivity Human, Mouse, Rat, Pig

Host Rabbit
Clonality Polyclonal
Calculated MW 115201

## **Anti-BMPR2 Antibody - Additional Information**

#### Gene ID 659

#### **Other Names**

PPH1; Bone morphogenetic protein receptor type-2; BMP type-2 receptor; BMPR-2; Bone morphogenetic protein receptor type II; BMP type II receptor; BMPR-II

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human BMPR2. The exact sequence is proprietary.

#### **Dilution**

WB~~WB (1/500 - 1/1000)

#### **Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

### **Storage**

Store at -20 °C. Stable for 12 months from date of receipt

### **Anti-BMPR2 Antibody - Protein Information**

#### Name BMPR2

#### Synonyms PPH1

#### **Function**

On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Can also mediate signaling through the activation of the p38MAPK cascade (PubMed:<a href="http://www.uniprot.org/citations/12045205" target="\_blank">12045205</a>). Binds to





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BMP7, BMP2 and, less efficiently, BMP4. Binding is weak but enhanced by the presence of type I receptors for BMPs. Mediates induction of adipogenesis by GDF6. Promotes signaling also by binding to activin A/INHBA (PubMed: <a href="http://www.uniprot.org/citations/24018044" target="\_blank">24018044</a>).

#### **Cellular Location**

Cell membrane; Single-pass type I membrane protein

#### **Tissue Location**

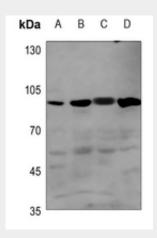
Highly expressed in heart and liver.

# **Anti-BMPR2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# Anti-BMPR2 Antibody - Images



Western blot analysis of BMPR2 expression in mouse kidney (A), mouse heart (B), rat kidney (C), rat heart (D) whole cell lysates.

# Anti-BMPR2 Antibody - Background

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