

Datasheet for ABIN5535544  
**anti-BMPR2 antibody (N-Term)**

## 3 Images

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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 400 µL  |
| Target:              | BMPR2   |
| Binding Specificity: | AA 28-59, N-Term  |
| Reactivity:          | Human, Mouse  |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This BMPR2 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | This BMPR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-59 amino acids from the N-terminal region of human BMPR2. |
| Isotype:      | Ig Fraction  |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | BMPR2  |
| Alternative Name: | BMPR2 ( <a href="#">BMPR2 Products</a> )                                     |
| Background:       | BMPR2 is a member of the bone morphogenetic protein (BMP) receptor family of |

## Target Details

transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding. Mutations in BMP2 have been associated with primary pulmonary hypertension.

Molecular Weight: 115 kDa

Gene ID: 659

UniProt: [Q13873](#)

Pathways: [Growth Factor Binding](#)

## Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

For FACS starting dilution is: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 2 mg/mL

Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

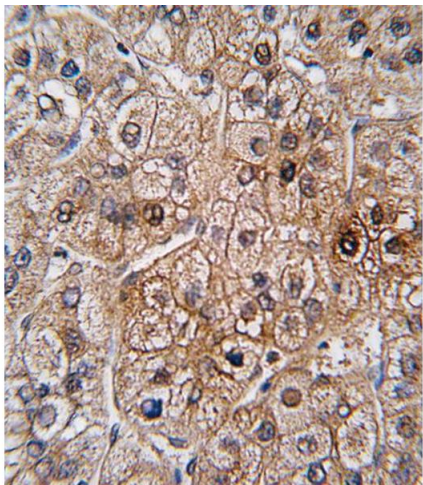
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to

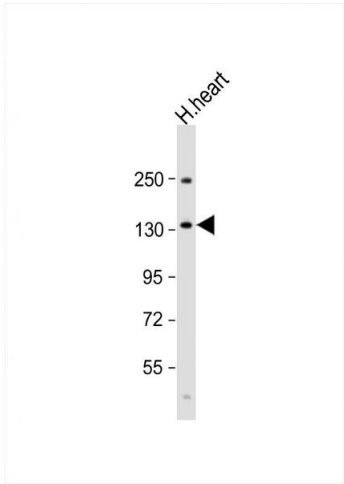
prolonged high temperatures.

Images



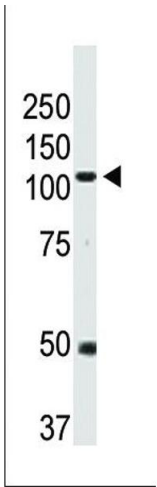
Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with BMP2 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Western Blotting

**Image 2.** Western Blot at 1:1000 dilution + human heart lysate Lysates/proteins at 20 ug per lane.



Western Blotting

**Image 3.** Western blot analysis of anti-BMP2 Pab in mouse heart tissue lysate