

# BMPR2 Rabbit Polyclonal Antibody



CAB5666

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

100kDa

### Calculated MW:

59kDa/115kDa

### Applications:

WB IF

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of 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 two 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 this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.

## Immunogen information

### Gene ID:

659

### Uniprot

Q13873

### Synonyms:

BMPR2; BMPR-II; BMPR3; BMR2; BRK-3; POVD1; PPH1; T-ALK

### Immunogen:

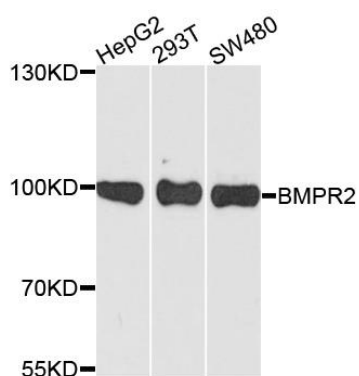
Recombinant fusion protein containing a sequence corresponding to amino acids 27-150 of human BMPR2 (NP\_001195.2).

### Storage:

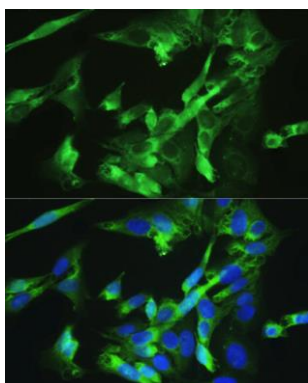
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

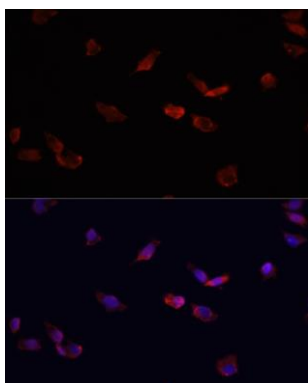
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Western blot analysis of extracts of various cell lines, using BMPR2 antibody (CAB5666) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of U-2OS cells using BMPR2 antibody (CAB5666) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using BMPR2 antibody (CAB5666) at dilution of 1:100. Blue: DAPI for nuclear staining.