

## BMPR2 Monoclonal Antibody

### Description

<b>Product type</b>	Antibody
<b>Code</b>	BT-MCA4463
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Size</b>	100 $\mu$ L, 50 $\mu$ L
<b>Immunogen</b>	Purified recombinant fragment of human BMPR2 expressed in E. Coli.
<b>Mol wt</b>	115kDa
<b>Species reactivity</b>	Human,Mouse,Rat,Monkey
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB,IHC,ICC
<b>Concentration</b>	N/A
<b>Full name</b>	N/A
<b>Synonyms</b>	BMR2;PPH1;BMPR3;BRK-3;T-ALK;BMPR-II;FLJ41585;FLJ76945;BMPR2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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. (provided by RefSeq)

### Recommended Dilution

WB: 1:500 - 1:2000

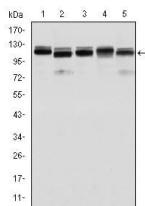
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

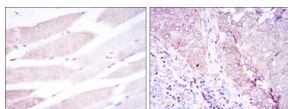
ELISA: 1:10000

Not yet tested in other applications.

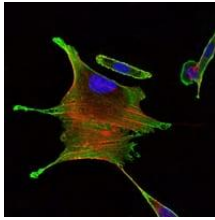
### Images



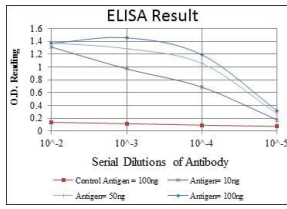
Western blot analysis using BMPR2 mouse mAb against HeLa (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.



Immunohistochemical analysis of paraffin-embedded muscle tissues (left) and kidney cancer tissues (right) using BMPR2 mouse mAb with DAB staining.



Immunofluorescence analysis of Eca109 cells using BMP2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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