

Product Name: BMPR2 Mouse Monoclonal Antibody
Catalog #: AMM80964



Summary

Production Name	BMPR2 Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA
Reactivity	Human,Mouse,Rat,Rabbit,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	BMPR2
Alternative Names	BMR2; PPH1; BMPR3; BRK-3; T-ALK; BMPR-II; FLJ41585; FLJ76945; BMPR2
Gene ID	659.0
SwissProt ID	Q13873.Purified recombinant fragment of human BMPR2 expressed in E. Coli.

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	115kDa

Background

This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane

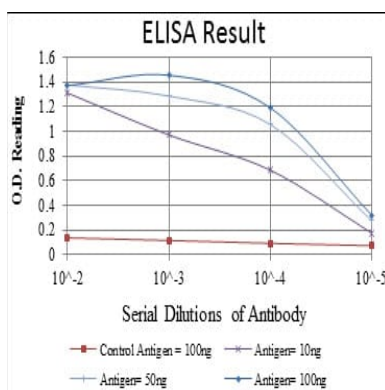
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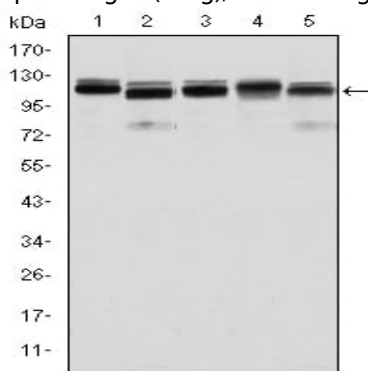
serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of two different types of serine (threonine) 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)

Research Area

Image Data

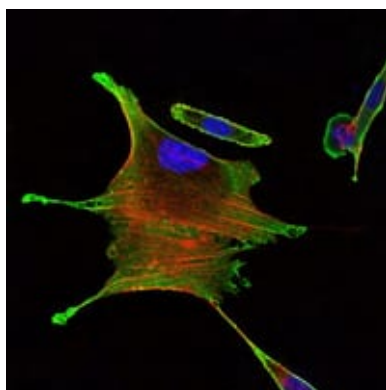


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

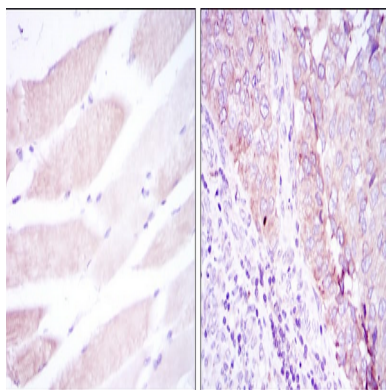


Western blot analysis using BMPR2 mouse mAb against Hela (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.

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Immunofluorescence analysis of Eca109 cells using BMPR2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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

Note

For research use only.