
Product Name: BMPR2 Mouse Monoclonal Antibody**Catalog #: AMM80963**

For research use only.

Summary

| | |
|----------------------|---|
| Description | Mouse monoclonal Antibody |
| Host | Mouse |
| Application | WB,IHC,ELISA |
| Reactivity | Human,Mouse,Rat,Monkey |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | Mouse IgG1 |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | PBS containing 0.03% sodium azide. |
| Purification | Affinity Purification |

Application

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

Antigen Information

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

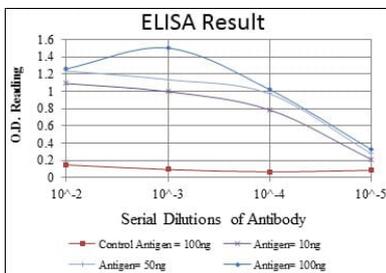
Background

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

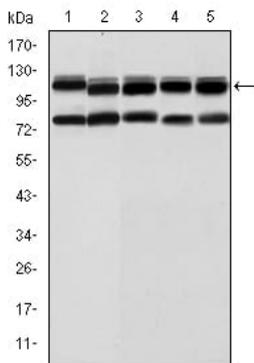
heteromeric complexes of two different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas 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)

Research Area

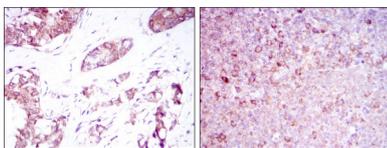
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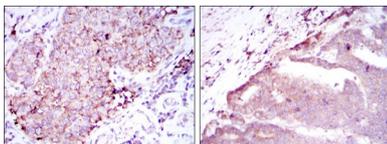
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



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



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



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