

## Mouse BMPR-II Monoclonal Antibody | anti-BMPR-II antibody

BMPR-II Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY                | APPLICATIONS                                                                       |
|-----------|-------|---------------------------|------------------------------------------------------------------------------------|
| AAA319972 | Mouse | Human, Mouse, Rat, Monkey | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

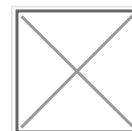
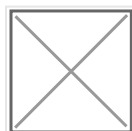
BMPR-II; Monoclonal Antibody; BMPR-II Monoclonal Antibody; Bone morphogenetic protein receptor type-2; BMPR2; PPH1; BMP type-2 receptor; BMPR-2; Bone morphogenetic protein receptor type II; BMP type II receptor; anti-BMPR-II antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                          |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                              | Mouse                                                                                                    |
| Reactivity                                        | Human, Mouse, Rat, Monkey                                                                                |
| Clonality                                         | Monoclonal                                                                                               |
| Specificity                                       | BMPR-II Monoclonal Antibody detects endogenous levels of BMPR-II protein.                                |
| Purity/Purification                               | Affinity purification                                                                                    |
| Form/Format                                       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                  |
| Applicable Applications for anti-BMPR-II antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                         | Purified recombinant fragment of human BMPR-II expressed in E coli.                                      |
| Modification                                      | Unmodified/Total                                                                                         |
| Preparation and Storage                           | Store at -20 degree C/1 year                                                                             |

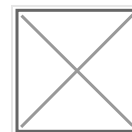
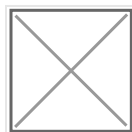
### IMAGES

#### Application Data



#### IF (Immunofluorescence)

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



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded muscle tissues (left) and kidney cancer tissues (right) with DAB staining using BMPR-II Monoclonal Antibody.

#### WB (Western Blot)

Western Blot analysis using BMPR-II Monoclonal Antibody against HeLa (1), A431 (2), NIH/3T3 (3), Cos7 (4) and PC-12 (5) cell lysate.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BMPR-II antibody | 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 disea |
| Product Categories/Family for anti-BMPR-II antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 15451916                                                                                                                                                                                                                            |
| NCBI GeneID                      | 659                                                                                                                                                                                                                                 |
| NCBI Accession #                 | NP_001195.2                                                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_001204.6                                                                                                                                                                                                                         |
| UniProt Accession #              | Q13873; Q16569; Q4ZG08; Q53SA5; Q585T8                                                                                                                                                                                              |
| Molecular Weight                 | 115,201 Da                                                                                                                                                                                                                          |
| NCBI Official Full Name          | bone morphogenetic protein receptor type-2                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | bone morphogenetic protein receptor, type II (serine/threonine kinase)                                                                                                                                                              |
| NCBI Official Symbol             | BMPR2                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | BMR2; PPH1; BMPR3; BRK-3; T-ALK; BMPR-II                                                                                                                                                                                            |
| NCBI Protein Information         | bone morphogenetic protein receptor type-2; BMPR-2; BMP type-2 receptor; BMP type II receptor; type II activin receptor-like kinase; bone morphogenetic protein receptor type II; type II receptor for bone morphogenetic protein-4 |
| UniProt Protein Name             | Bone morphogenetic protein receptor type-2                                                                                                                                                                                          |
| UniProt Gene Name                | BMPR2                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | PPH1; BMP type-2 receptor; BMPR-2; BMP type II receptor; BMPR-II                                                                                                                                                                    |
| UniProt Entry Name               | BMPR2_HUMAN                                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/bmpr-ii-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/319972>