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Product datasheet for AM06597SU-N

BMPR2 Mouse Monoclonal Antibody [Clone ID: 3F6]

Product data:

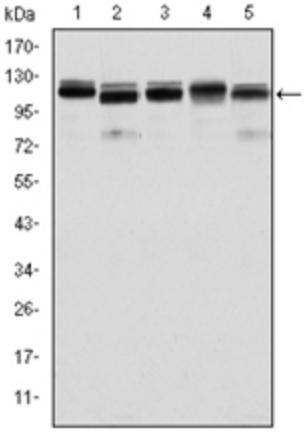
Product Type:	Primary Antibodies
Clone Name:	3F6
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Western Blot:** 1/500 - 1/2000. **Immunofluorescence:** 1/200 - 1/1000. **Immunohistochemistry on Paraffin Sections:** 1/200 - 1/1000.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human BMPR2 expressed in E. Coli.
Specificity:	This antibody recognizes BMPR2
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	115 kDa
Gene Name:	bone morphogenetic protein receptor type 2
Database Link:	Entrez Gene 659 Human Q13873

View online »

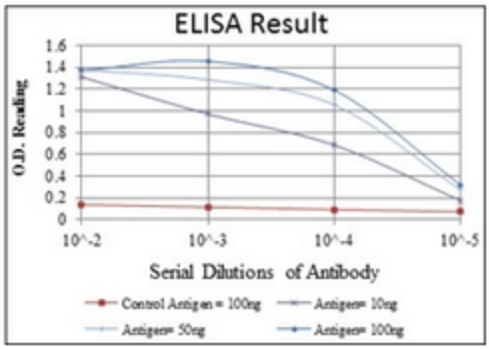
Background: This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins 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)

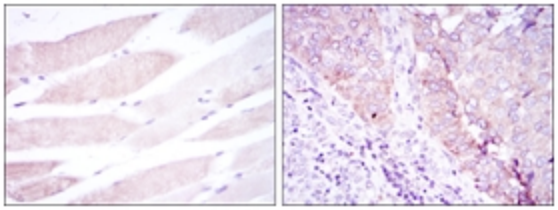
Synonyms: BMP type II receptor, BMPR-II, PPH1

Product images:

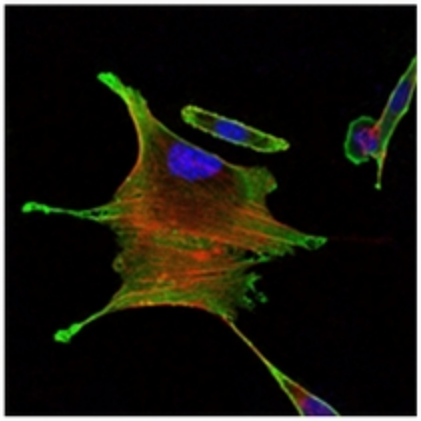


Western blot analysis using BMPR2 antibody Cat.-No AM06597SU-N against Hela (Lane 1), A431 (Lane 2), NIH/3T3 (Lane 3), Cos7 (Lane 4) and PC-12 (Lane 5) cell lysate.





Immunohistochemical analysis of paraffin-embedded muscle tissues (left) and kidney cancer tissues (right) using BMPR2 antibody Cat.-No AM06597SU-N with DAB staining.



Immunofluorescence analysis of Eca109 cells using BMPR2 antibody Cat.-No AM06597SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.