

## Mouse Monoclonal Antibody to BMPR2

<b>Catalogue Number</b>	sAP-0535
<b>Target Molecule</b>	<p><b>Name: BMPR2</b></p> <p><b>Aliases:</b> BMR2; PPH1; BMPR3; BRK-3; T-ALK; BMPR-II; FLJ41585; FLJ76945; BMPR2</p> <p><b>MW: 115kDa</b></p> <p><b>Entrez Gene ID: 659</b></p>
<b>Description</b>	<p>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-induced.</p>
<b>Immunogen</b>	Purified recombinant fragment of human BMPR2 expressed in E. Coli.
<b>Reactive Species</b>	Human; Mouse; Rat; Monkey
<b>Clone</b>	MM1F12;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. J Heart Lung Transplant. 2008 Jun;27(6):668-74. ; 2. Genet Med. 2008 May;10(5):359-65.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**