

Mouse Monoclonal Antibody to BMPR2

Catalogue Number	sAP-0536
Target Molecule	Name: BMPR2 Aliases: BMR2; PPH1; BMPR3; BRK-3; T-ALK; BMPR-II; FLJ41585; FLJ76945; BMPR2 MW: 115kDa
Description	Entrez Gene ID: 659 <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 sporadic.</p>
Immunogen	Purified recombinant fragment of human BMPR2 expressed in E. Coli.
Recitative Species	Human; Mouse; Rat; Monkey
Clone	MM3F6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	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 end users! This product is sold for **Research Use Only**