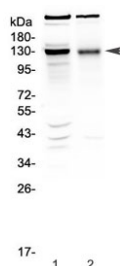


BMPR2 Antibody (RQ4015)

Catalog No.	Formulation	Size
RQ4015	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13873
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This BMPR2 antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with BMPR2 antibody at 0.5ug/ml. Predicted molecular weight ~115 kDa.

Description

Bone morphogenetic protein receptor type II or BMPR2 is a serine/threonine receptor kinase. 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.

Application Notes

Optimal dilution of the BMPR2 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids R455-K512 was used as the immunogen for the BMPR2 antibody.

Storage

After reconstitution, the BMPR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.