

# **BMPR1B Antibody (F41873)**

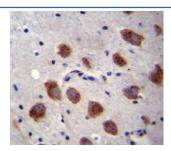
Catalog No.	Formulation	Size
F41873-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41873-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

# **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O00238
Localization	Cytoplasmic, membrane
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This BMPR1B antibody is available for research use only.

95 72
55
36
28
17

BMPR1B antibody western blot analysis in U251 lysate. Predicted molecular weight 55~60 kDa.



BMPR1B antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

## **Description**

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 2 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.

# **Application Notes**

Titration of the BMPR1B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

A portion of amino acids 134-162 from the human protein was used as the immunogen for this BMPR1B antibody.

### **Storage**

Aliquot the BMPR1B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.