

BMPR1B Antibody (F41873)

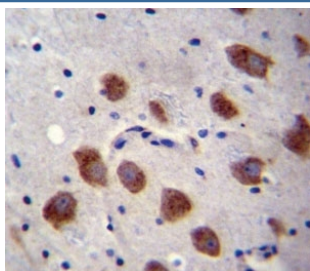
Catalog No.	Formulation	Size
F41873-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41873-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

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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.



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.