

# BMPR-II rabbit pAb

Cat No.:ES20240

For research use only

## Overview

Product Name	BMPR-II rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Monkey
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human BMPR-II
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat,Monkey BMPR-II
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	BMPR-II
Gene Name	BMPR2 PPH1
Cellular localization	Cell membrane ; Single-pass type I membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	659
Human Swiss-Prot Number	Q13873
Alternative Names	Bone morphogenetic protein receptor type-2 (BMP type-2 receptor;BMPR-2;EC 2.7.11.30;Bone morphogenetic protein receptor type II;BMP type II receptor;BMPR-II)
Background	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

