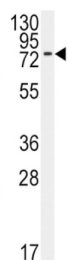
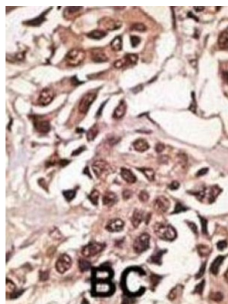
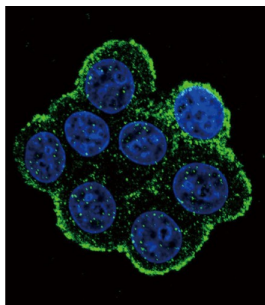


Bone Morphogenetic Protein Receptor 1A (BMPR1A) Antibody

Catalogue No.: abx031354



The bone morphogenetic protein (BMP) receptors belong to a family of transmembrane serine/threonine kinases including the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. Both activins and TGF-beta transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors. 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. BMP receptors are highly expressed in bone, skeletal muscle, heart and liver tissue. BMPRs play a crucial role during development as mutations or deletions to the BMPR genes can cause juvenile polyposis, disrupt normal dorsal/ventral patterning during limb development, and may be a factor in the progression of Cowden-like syndrome. Germline mutations in the BMPR2 gene encoding bone morphogenetic protein (BMP) type II receptor (BMPR-II) have been reported in patients with primary pulmonary hypertension (PPH).

Target: Bone Morphogenetic Protein Receptor 1A (BMPR1A)

Clonality: Polyclonal

Reactivity: Human

Datasheet

Version: 2.0.0

Revision date: 27 Jun 2025



Tested Applications:	ELISA, WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IF/ICC: 1/10 - 1/50. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 21-51 amino acids from the N-terminal region of human BMPR1A.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P36894 (UniProt , ExPASy)
KEGG:	hsa:657
String:	9606.ENSP00000361107
Molecular Weight:	Calculated MW: 60.2 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.