

Product datasheet for **AP11859PU-N**

BMPR1A (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA 1:1,000. Western blotting 1:100 - 1:500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human BMPR1A.
Specificity:	This antibody detects BMPR1A at N-term.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	bone morphogenetic protein receptor type 1A
Database Link:	Entrez Gene 657 Human P36894



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Background:

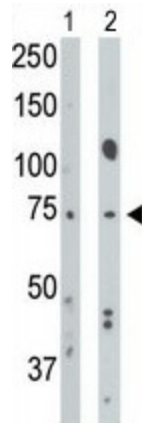
The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 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. BMPRIA binds BMP4 with high-affinity in solution and is a potent BMP-4 antagonist in vitro. In adult tissues, BMPRIA is widely expressed, with the highest expression levels detected in skeletal muscle. BMPRIA is also widely expressed during embryogenesis.

Synonyms:

ACVRLK3, ALK3, ALK-3, SKR5

Note:

Molecular weight: 60198 Da

Product images:

The anti-BMPR1A is used in Western blot to detect BMPR1A in mouse muscle tissue lysate (Lane 1) and Hela cell lysate (Lane 2).