

AP11861PU-N**Polyclonal Antibody to CDw293 / BMPR1B (N-term) - Purified**

Alternate names:	ALK6, Bone morphogenetic protein receptor type-1B
Quantity:	0.4 ml
Concentration:	lot specific
Background:	<p>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.</p>
Uniprot ID:	000238
NCBI:	9606
GenEID:	658
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human BMPR1B.
Format:	<p>State: Liquid purified Ig fraction. Purification: Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative.</p>
Applications:	<p>ELISA: 1/1,000. Western blotting: 1/100-1/500. Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody recognizes BMPR1B (N-term). Species: Human and Mouse. Other species not tested.</p>
Add. Information:	Calculated Molecular weight: 56930 Da
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Lehmann, K., et al., Proc. Natl. Acad. Sci. U.S.A. 100(21):12277-12282 (2003).
2. Astrom, A.K., et al., Mamm. Genome 10(3):299-302 (1999).
3. Ide, H., et al., Oncogene 14(11):1377-1382 (1997).
4. ten Dijke, P., et al., Science 264(5155):101-104 (1994).
5. Ide, H., et al., Cytogenet. Cell Genet. 81 (3-4), 285-286 (1998).

Pictures:

Western blot analysis of anti-BMPR1B Pab in NCI-H460 cell lysate (Lane A) and mouse heart tissue lysate (Lane B). BMPR1B (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

