

anti-Human BMPR1B Polyclonal Antibody | anti-BMPR1B antibody

Anti-BMPR1B Antibody

CATALOG # AAA46559	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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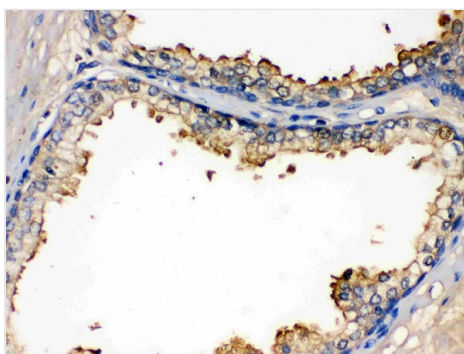
PRODUCT SYNONYMS

BMPR1B; Polyclonal Antibody; Anti-BMPR1B Antibody; Bone morphogenetic protein receptor type-1B; Activin receptor like kinase 6; Acvrlk6; ALK 6; ALK6; alk6tr; BMP type-1B receptor; BMPR IB; BMPR-1B; Bmpr1b; BMPRIB; BMR1B_HUMAN; Bone morphogenetic protein receptor type 1B; Bone morphogenetic protein receptor type IB; BR 1b; BR1b; CDw 293; CDw293; CDw293 antigen; CFK 43a; CFK43a; Serine/threonine receptor kinase; zALK 6; zALK6 antibody; bone morphogenetic protein receptor; type IB; anti-BMPR1B antibody

PRODUCT SPECIFICATIONS

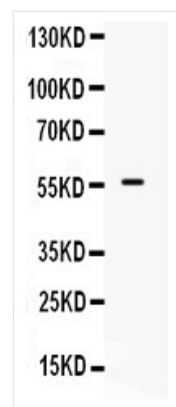
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	502
Applicable Applications for anti-BMPR1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human BMPR1B recombinant protein (Position: K14-Q184). Human BMPR1B shares 97.1% amino acid (aa) sequence identity with mouse BMPR1B.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- BMPR1B Picoband antibody, AAA46559, IHC(P) IHC(P): Human Prostatic Cancer Tissue



WB (Western Blot)

Anti- BMPR1B Picoband antibody, AAA46559, Western blotting All lanes: Anti BMPR1B (AAA46559) at 0.5ug/ml WB: Human Placenta Tissue Lysate at 50ug Predicted bind size: 57KD Observed bind size: 57KD

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR1B antibody	Description: Rabbit IgG polyclonal antibody for Bone morphogenetic protein receptor type-1B(BMPR1B) detection. Tested with WB, IHC-P in Human.
	Background: BMPR1B (Bone Morphogenetic Protein Receptor Type IB), also known as ALK6, is a protein which in humans is encoded by the BMPR1B gene. BMPR1B is 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. By analysis of a monochromosome hybrid mapping panel and by FISH, Astrom et al. (1999) mapped the BMPR1B gene to chromosome 4q22-q24. Ide et al. (1997) compared BMP receptor expression in normal and cancerous prostate tissues. While BMPR1A and BMPR2 were expressed at similar levels in all prostate tissues, BMPR1B was expressed at a significantly reduced level in cancerous prostate tissue.
References	1. Astrom, A.-K., Jin, D., Imamura, T., Roijer, E., Rosenzweig, B., Miyazono, K., ten Dijke, P., Stenman, G. Chromosomal localization of three human genes encoding bone morphogenetic protein receptors. Mammalian Genome 10: 299-302, 1999. 2. Demirhan, O., Turkmen, S., Schwabe, G. C., Soyupak, S., Akgul, E., Tastemir, D., Karahan, D., Mundlos, S., Lehmann, K. A homozygous BMPR1B mutation causes a new subtype of acromesomelic chondrodysplasia with genital anomalies. J. Med. Genet. 42: 314-317, 2005. 3. Ide, H., Katoh, M., Sasaki, H., Yoshida, T., Aoki, K., Nawa, Y., Osada, Y., Sugimura, T., Terada, M. Cloning of human bone morphogenetic protein type 1B receptor (BMPR-1B) and its expression in prostate cancer in comparison with other BMPRs. Oncogene 14: 1377-1382, 1997. Note: Erratum: Oncogene 15: 1121 only, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502431
NCBI GeneID	658
NCBI Accession #	NP_001194.1
NCBI GenBank Nucleotide #	NM_001203.2
UniProt Accession #	O00238; P78366; B2R953; B4DSV1
Molecular Weight	60,582 Da
NCBI Official Full Name	bone morphogenetic protein receptor type-1B isoform b
NCBI Official Synonym Full Names	bone morphogenetic protein receptor type 1B
NCBI Official Symbol	BMPR1B
NCBI Official Synonym Symbols	ALK6; AMDD; BDA2; ALK-6; BDA1D; CDw293
NCBI Protein Information	bone morphogenetic protein receptor type-1B
UniProt Protein Name	Bone morphogenetic protein receptor type-1B
UniProt Gene Name	BMPR1B
UniProt Synonym Gene Names	BMP type-1B receptor; BMPR-1B
UniProt Entry Name	BMR1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bmpr1b-antibody-immunohistochemistry-western-blot-elisa/46559>