

Rabbit BMPR1B Polyclonal Antibody | anti-BMPR1B antibody

BMPR1B Antibody (C-term)

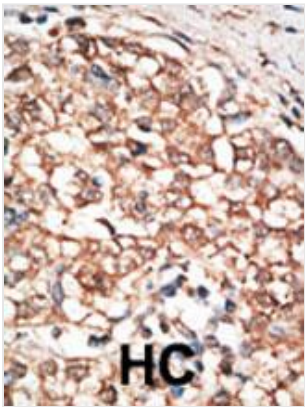
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288372	Rabbit	Human (Predicted Reactivity: Chicken, Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

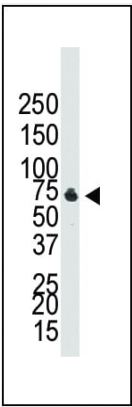
BMPR1B; Polyclonal Antibody; BMPR1B Antibody (C-term); Bone morphogenetic protein receptor type-1B; BMP type-1B receptor; BMPR-1B; CDw293; anti-BMPR1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BMPR1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-502 amino acids from the C-terminal region of human BMPR1B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	472-502
Sequence Length	532
Applicable Applications for anti-BMPR1B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-BMPR1B Pab in NCI-H460 cell lysate. BMPR1B (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR1B antibody	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.
Product Categories/Family for anti-BMPR1B antibody	Signal Transduction
References	Kan, L. et al. Stem Cells.January; 27(1): 150?56(2009). Lehmann, K., et al., Proc. Natl. Acad. Sci. U.S.A. 100(21):12277-12282 (2003). Astrom, A.K., et al., Mamm. Genome 10(3):299-302 (1999). Ide, H., et al., Oncogene 14(11):1377-1382 (1997). ten Dijke, P., et al., Science 264(5155):101-104 (1994). Ide, H., et al., Cytogenet. Cell Genet. 81 (3-4), 285-286 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502431
NCBI GeneID	658
NCBI Accession #	NP_001194.1; NP_001243721.1; NP_001243722.1; NP_001243723.1
NCBI GenBank Nucleotide #	NM_001203.2
UniProt Accession #	O00238; P78366; B2R953; B4DSV1
Molecular Weight	56930
NCBI Official Full Name	bone morphogenetic protein receptor type-1B isoform b
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type IB
NCBI Official Symbol	BMPR1B
NCBI Official Synonym Symbols	ALK6; ALK-6; 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/288372>