

Rabbit anti-Human, mouse BMPR1A Polyclonal Antibody | anti-BMPR1A antibody

BMPR1A Antibody (N-term)

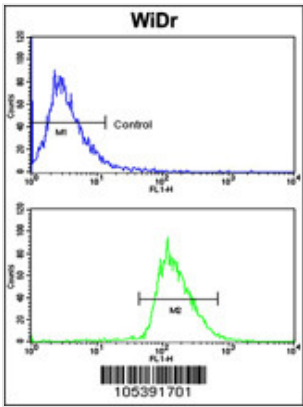
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288781	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

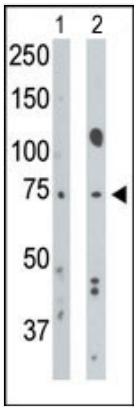
BMPR1A; Polyclonal Antibody; BMPR1A Antibody (N-term); Bone morphogenetic protein receptor type-1A; BMP type-1A receptor; BMPR-1A; Activin receptor-like kinase 3; ALK-3; Serine/threonine-protein kinase receptor R5; SKR5; CD292; ACVRLK3; ALK3; anti-BMPR1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BMPR1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human BMPR1A.
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	1-30
Sequence Length	532
Applicable Applications for anti-BMPR1A antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of WiDr cells using BMPR1A Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR1A 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. BMPR1A binds BMP4 with high-affinity in solution and is a potent BMP-4 antagonist in vitro. In adult tissues, BMPR1A is widely expressed, with the highest expression levels detected in skeletal muscle. BMPR1A is also widely expressed during embryogenesis.
Product Categories/Family for anti-BMPR1A antibody	Cardiovascular; Metabolism; Signal transduction
References	Waite, K.A., et al., Hum. Mol. Genet. 12(6):679-684 (2003). Zhou, X.P., et al., Am. J. Hum. Genet. 69(4):704-711 (2001). Astrom, A.K., et al., Mamm. Genome 10(3):299-302 (1999). ten Dijke, P., et al., Oncogene 8(10):2879-2887 (1993). Ide, H., et al., Cytogenet. Cell Genet. 81 (3-4), 285-286 (1998) ().

NCBI AND UNIPROT INFORMATION

NCBI GI #	41349437
NCBI GeneID	657
NCBI Accession #	NP_004320.2
NCBI GenBank Nucleotide #	NM_004329.2
UniProt Accession #	P36894; Q8NEN8; A8K6U9
Molecular Weight	60198
NCBI Official Full Name	bone morphogenetic protein receptor type-1A
NCBI Official Synonym Full Names	bone morphogenetic protein receptor, type 1A
NCBI Official Symbol	BMPR1A
NCBI Official Synonym Symbols	ALK3; SKR5; CD292; ACVRLK3; 10q23del

NCBI Protein Information	bone morphogenetic protein receptor type-1A
UniProt Protein Name	Bone morphogenetic protein receptor type-1A
UniProt Gene Name	BMPR1A
UniProt Synonym Gene Names	ACVRLK3; ALK3; BMP type-1A receptor; BMPR-1A; ALK-3; SKR5
UniProt Entry Name	BMR1A_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://www.aaabiotech.com/polyclonal/bmpr1a-antibody-flow-cytometry-western-blot-elisa/288781>