

Rabbit BMPR2 Polyclonal Antibody | anti-BMPR2 antibody

BMPR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327146	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

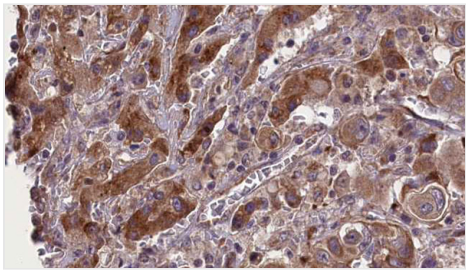
PRODUCT SYNONYMS

BMPR2; Polyclonal Antibody; BMPR2 Antibody; BMP type II receptor; BMP type-2 receptor; BMPR 2; BMPR 3; BMPR II; BMPR-2; BMPR-II; Bmpr2; BMPR2_HUMAN; BMPR3; BMPRII; BMR 2; BMR2; Bone morphogenetic protein receptor type 2; Bone morphogenetic protein receptor type II; Bone morphogenetic protein receptor type-2; Bone morphogenetic protein receptor type II serine threonine kinase; BRK 3; BRK3; PPH 1; PPH1; Serine threonine kinase type II activin receptor like kinase; T ALK; TALK; Type II activin receptor like kinase; anti-BMPR2 antibody

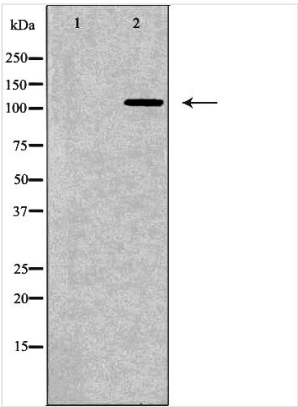
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BMPR2 antibody detects endogenous levels of total BMPR2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1038
Applicable Applications for anti-BMPR2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BMPR2
Subcellular Location	Membrane.
Tissue Specificity	Highly expressed in heart and liver.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327146 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of NIH-3T3 cell lysate, using BMPR2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BMPR2 antibody	Description: This gene encodes 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 two 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. Mutations in this gene have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease. Function: On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Binds to BMP7, BMP2 and, less efficiently, BMP4. Binding is weak but enhanced by the presence of type I receptors for BMPs. Mediates induction of adipogenesis by GDF6. Subunit Structure: Interacts with GDF5. Similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15451916
NCBI GeneID	659
NCBI Accession #	NP_001195.2
NCBI GenBank Nucleotide #	NM_001204.6
UniProt Accession #	Q13873; Q13161; Q16569; Q4ZG08; Q53SA5; Q585T8
Molecular Weight	Observed: 115 kDa Predicted: 116 kDa
NCBI Official Full Name	bone morphogenetic protein receptor type-2
NCBI Official Synonym Full Names	bone morphogenetic protein receptor type 2
NCBI Official Symbol	BMPR2
NCBI Official Synonym Symbols	BMR2; PPH1; BMPR3; BRK-3; POVD1; T-ALK; BMPR-II
NCBI Protein Information	bone morphogenetic protein receptor type-2
UniProt Protein Name	Bone morphogenetic protein receptor type-2

UniProt Gene Name	BMPR2
UniProt Synonym Gene Names	PPH1; BMP type-2 receptor; BMPR-2; BMP type II receptor; BMPR-II

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/bmpr2-antibody-immunohistochemistry-western-blot-elisa/327146>