

DNAxPAb

Hard-to-Find
Antibody

BMPR1A DNAxPab

Catalog # H00000657-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human BMPR1A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPQLYYIRLLGAYLFIISRVQGQNLD SMLHGTGMKSDSDQKKSENGVTLAPEDTLPFLKCYCSGH CPDDAINNTCITNGHCF AII EDDQGETTLASGCMKYEGSDFQCKDSPKAQLRRTIECCRTNLCNQ YLQPTLPPVVIGPFFDGSIRWLVL LISMVCIAMIIFSSCFYKHYCKSISSRRRYNRDLEQDEAFIPV GESLKDLDQSQSSGSGSGLPLLQRTIAKQIQMVRQVGKGRYGEVWMGKWRGEKVAVKVFFTT EEASWFRETEYQTVLMRHENILGFIAADIKGTGSWTQLYLTDYHENGSLYDFLKCATLDTRALLKL AYSAACGLCHLHTEYGTQGKPAIAHRDLKSKNILKKN GSCCIADLGLAVKFNSDTNEVDVPLNTR VGTKRYMAPEVLDESLNKNHFQPYIMADIYSFGLIWEMARRCITGGVEEYQLPYNNMVPSPDPSYE DMREVVCVKRLRPVSNRWNSDECLRAVLKLMSECVAHNPASRLTALRIKKTAKMVESQDVKI
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — BMPR1A

Entrez GeneID [657](#)

GeneBank Accession# [NM_004329.2](#)

Protein Accession# [NP_004320.2](#)

Gene Name BMPR1A

Gene Alias 10q23del, ACVRLK3, ALK3, CD292

Gene Description bone morphogenetic protein receptor, type IA

Omim ID [158350](#) [174900](#) [601299](#) [610069](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations OTTHUMP00000020014|activin A receptor, type II-like kinase 3

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenomatous Polyposis Coli](#)

- [Alzheimer Disease](#)
- [Anemia](#)
- [Bacteremia](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Diabetes Mellitus](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Intestinal Polyposis](#)
- [Intestinal Polyps](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Neoplastic Syndromes](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Peutz-Jeghers Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Polyps](#)
- [Precancerous Conditions](#)
- [Puberty](#)
- [Stomach Neoplasms](#)
- [Telangiectasia](#)

- [Thrombophilia](#)
- [Tobacco Use Disorder](#)