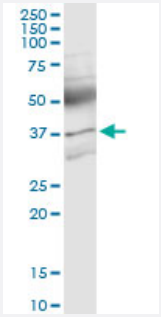
MaxPab®

ACVR2B MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000093-D01 Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of ACVR2B transfected lysate using anti-ACVR2B MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ACVR2B purified MaxPab mouse polyclonal antibody (B01P) (H00000093-B01P).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACVR2B protein.
Immunogen	ACVR2B (AAH96245.1, 1 a.a. ~ 303 a.a) full-length human protein.
Sequence	MNDFVAVKIFPLQDKQSWQSEREIFSTPGMKHENLLQFIAAEKRGSNLEVELWLITAFHDKGSLTD YLKGNIITWNELCHVAETMSRGLSYLHEDVPWCRGEGHKPSIAHRDFKSKNVLLKSDLTAVLADF GLAVRFEPGKPPGDTHGQVGTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVLWELVSRCKAAD GPVDEYMLPFEEEIGQHPSLEELQEVVVHKKMRPTIKDHWLKHPGLAQLCVTIEECWDHDAEAR LSAGCVEERVSLIRRSVNGTTSDCLVSLVTSVTNVDLPPKESSI
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — ACVR2B

Entrez GeneID	93
GeneBank Accession#	BC096245.1
Protein Accession#	AAH96245.1
Gene Name	ACVR2B
Gene Alias	ACTRIIB, ActR-IIB, MGC116908
Gene Description	activin A receptor, type IIB
Omim ID	602730
Gene Ontology	Hyperlink
Gene Summary	Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Type II receptors are considered to be constitutively active kinases. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor. [provided by RefSeq
Other Designations	activin A type IIB receptor

Pathway

- Cytokine-cytokine receptor interaction

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- TGF-beta signaling pathway

Disease

- Genetic Predisposition to Disease
- Hyperparathyroidism
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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