

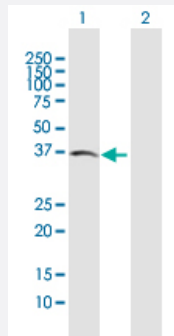
MaxPab®

ACVR2B purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000093-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACVR2B expression in transfected 293T cell line ([H00000093-T02](#)) by ACVR2B MaxPab polyclonal antibody.

Lane 1: ACVR2B transfected lysate(34.20 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse 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 YLKGNITWNELCHVAETMSRGLSYLHEDVPWCRGEGHKPSIAHRDFKSKNVLLKSDLTAVLADF GLAVRFEPGKPPGDTHGQVGTRRYMAPEVLEGAINFQRDAFLRIDMYAMGLVLWELVSRCKAAD GPVDEYMLPFEEEIGQHPSLEELQEVEVVHKKMRPTIKDHWLKHHPGLAQLCVTIEECWDHDAEAR LSAGCVEERVSLIRRSVNGTTSDCLVSLVTSVTNVDLPPKESSI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
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.

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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](#)
- [TGF-beta signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)