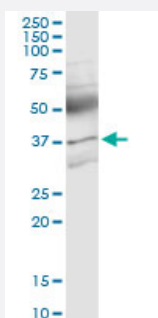


ACVR2B (Human) IP-WB Antibody Pair

Catalog # H00000093-PW2

Size 1 Set

Applications



Immunoprecipitation of ACVR2B transfected lysate using rabbit polyclonal anti-ACVR2B and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-ACVR2B.

Specification

Product Description

This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.

Reactivity

Human

Quality Control Testing

Immunoprecipitation-Western Blot (IP-WB)

Immunoprecipitation of ACVR2B transfected lysate using rabbit polyclonal anti-ACVR2B and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse purified polyclonal anti-ACVR2B.

Supplied Product

Antibody pair set content:

1. Antibody pair for IP: rabbit polyclonal anti-ACVR2B (300 ul)
2. Antibody pair for WB: mouse purified polyclonal anti-ACVR2B (50 ug)

Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — ACVR2B

Entrez GeneID	93
Gene Name	ACVR2B
Gene Alias	ACTRIIB, ActR-IIIB, 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](#)