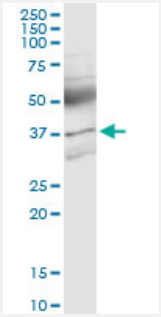
ACVR2B (Human) IP-WB Antibody Pair

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 Products	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 tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

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Gene Info — ACVR2B

Entrez GeneID	93
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

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- Puberty
- Thrombophilia

- Tobacco Use Disorder

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