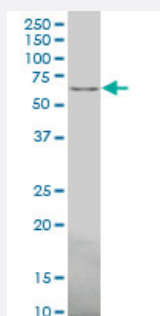


ACVR2B polyclonal antibody (A01)

Catalog # H00000093-A01

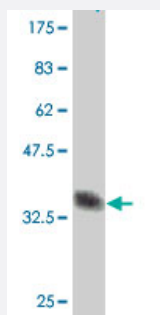
Size 50 uL

Applications



Western Blot (Cell lysate)

ACVR2B polyclonal antibody (A01), Lot # 060717JCS1 Western Blot analysis of ACVR2B expression in 293 (Cat # L026V1).



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ACVR2B.
Immunogen	ACVR2B (NP_001097, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag.
Sequence	RGEAETRECIYNNANWELERTNQSGLERCEGEQDKRLHCYASWRNSSGTIELVKKGCWLDDFNCYDRQECVATEENPQVYFCCEGNFCNERFTHLPEAG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ACVR2B polyclonal antibody (A01), Lot # 060717JCS1 Western Blot analysis of ACVR2B expression in 293 (Cat # L026V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ACVR2B

Entrez GeneID	93
GeneBank Accession#	NM_001106
Protein Accession#	NP_001097
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](#)