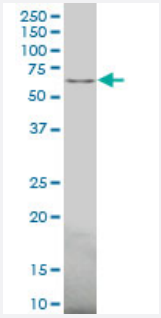
ACVR2B polyclonal antibody (A01)

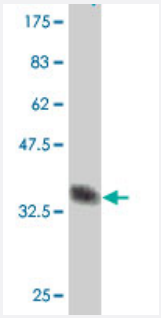
Catalog # H00000093-A01 Size 50 uL

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	RGEAETRECIYYNANWELERTNQSGLERCEGEQDKRLHCYASWRNSSGTIELVKKGCWLDDFNC YDRQECVATEENPQVYFCCCEGNFCNERFTHLPEAG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)

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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

- ELISA
- 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

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

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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

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