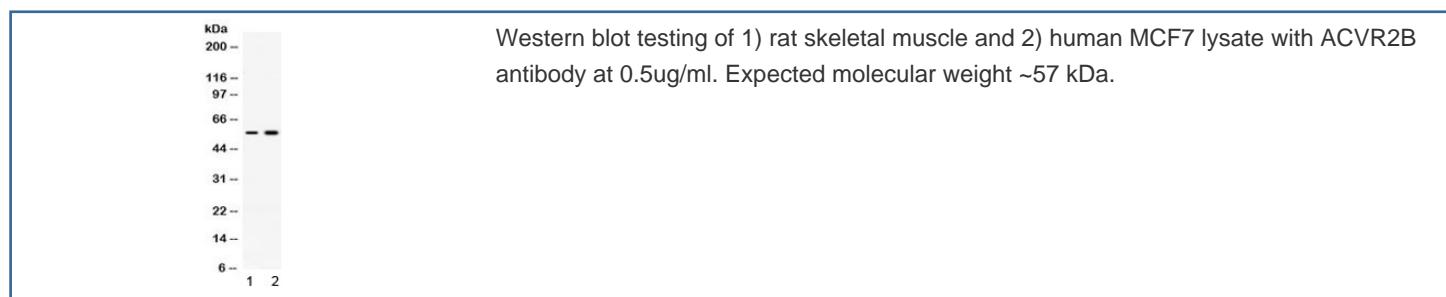


## ACVR2B Antibody / ActRIIB (R32460)

Catalog No.	Formulation	Size
R32460	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.005% sodium azide
UniProt	Q13705
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ACVR2B antibody is available for research use only.



### Description

Activin receptor type-2B is a protein that in humans is encoded by the ACVR2B gene. 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 ACVR2B 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.

## Application Notes

Optimal dilution of the ACVR2B antibody should be determined by the researcher.

## Immunogen

Amino acids VVHKKMRPTIKDHWLKHPGLAQLCVTIEECWDHDAE from the human protein were used as the immunogen for the ACVR2B antibody.

## Storage

Prior to reconstitution, store at 4oC. After reconstitution, the ACVR2B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.