

Datasheet for ABIN657777  
**anti-ACVR1 antibody (AA 132-161)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	ACVR1 (ACRV1)
Binding Specificity:	AA 132-161
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This ACVR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-161 amino acids from the Central region of human ACVR1.
Clone:	RB33883
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	ACVR1 (ACRV1)
Alternative Name:	ACVR1 ( <a href="#">ACRV1 Products</a> )
Background:	Activins are dimeric growth and differentiation factors which belong to the transforming growth

## Target Details

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. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive.

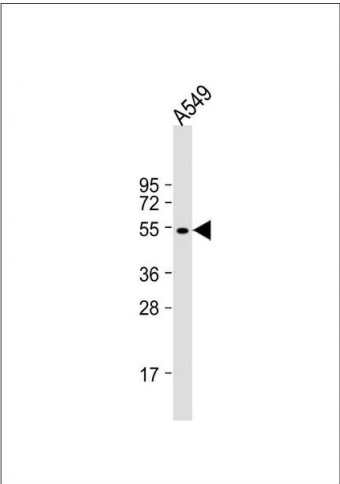
Molecular Weight:	57153
Gene ID:	90
NCBI Accession:	<a href="#">NP_001096</a> , <a href="#">NP_001104537</a>
UniProt:	<a href="#">Q04771</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:2000
Restrictions:	For Research Use only

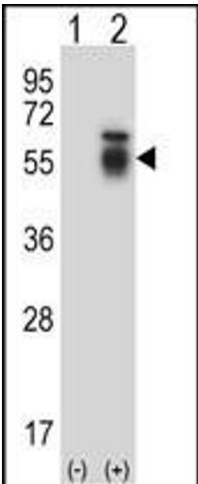
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	ACVR1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Western Blotting

**Image 1.** Anti-ACVR1 Antibody (Center) at 1:2000 dilution + A549 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

**Image 2.** Western blot analysis of ACVR1 (arrow) using rabbit polyclonal ACVR1 Antibody (Center) (ABIN657777 and ABIN2846752). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ACVR1 gene.