

Datasheet for ABIN659054

**anti-Activin A Receptor Type IB/ALK-4 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	400 µL
Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This ACVR1B monoclonal antibody is generated from mouse immunized with ACVR1B recombinant protein.
Clone:	179CT11-2-1
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	Activin A Receptor Type IB/ALK-4 (ACVR1B)
Alternative Name:	ACVR1B ( <a href="#">ACVR1B Products</a> )
Background:	This gene encodes an activin A type IB receptor. 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 and two type II receptors. This protein

## Target Details

is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.

Molecular Weight: 56807

Gene ID: 91

NCBI Accession: [NP\\_004293](#), [NP\\_064732](#), [NP\\_064733](#)

UniProt: [P36896](#)

## Application Details

Application Notes: WB: 1:100~500

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

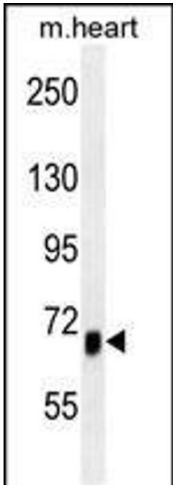
Preservative: Sodium azide

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: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



**Western Blotting**

**Image 1.** ACVR1B Antibody (ABIN659054 and ABIN2838060) western blot analysis in mouse heart tissue lysates (35 µg/lane). This demonstrates the ACVR1B antibody detected the ACVR1B protein (arrow).