

Datasheet for ABIN5542584  
**anti-ACVR1 antibody (AA 21-120)**

## 4 Images

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## Overview

Quantity:	0.1 mg
Target:	ACVR1 (ACRV1)
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACVR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human ACVR1 (AA: 21-120) expressed in E. coli.
Clone:	2C1E8
Isotype:	IgG1
Purification:	purified

## Target Details

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

## Target Details

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. 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.,  
Aliases: FOP, ALK2, SKR1, TSRI, ACTRI, ACVR1A, ACVRLK2

Molecular Weight:	57.2 kDa
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Gene ID:	90
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HGNC:	6850
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## Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: , FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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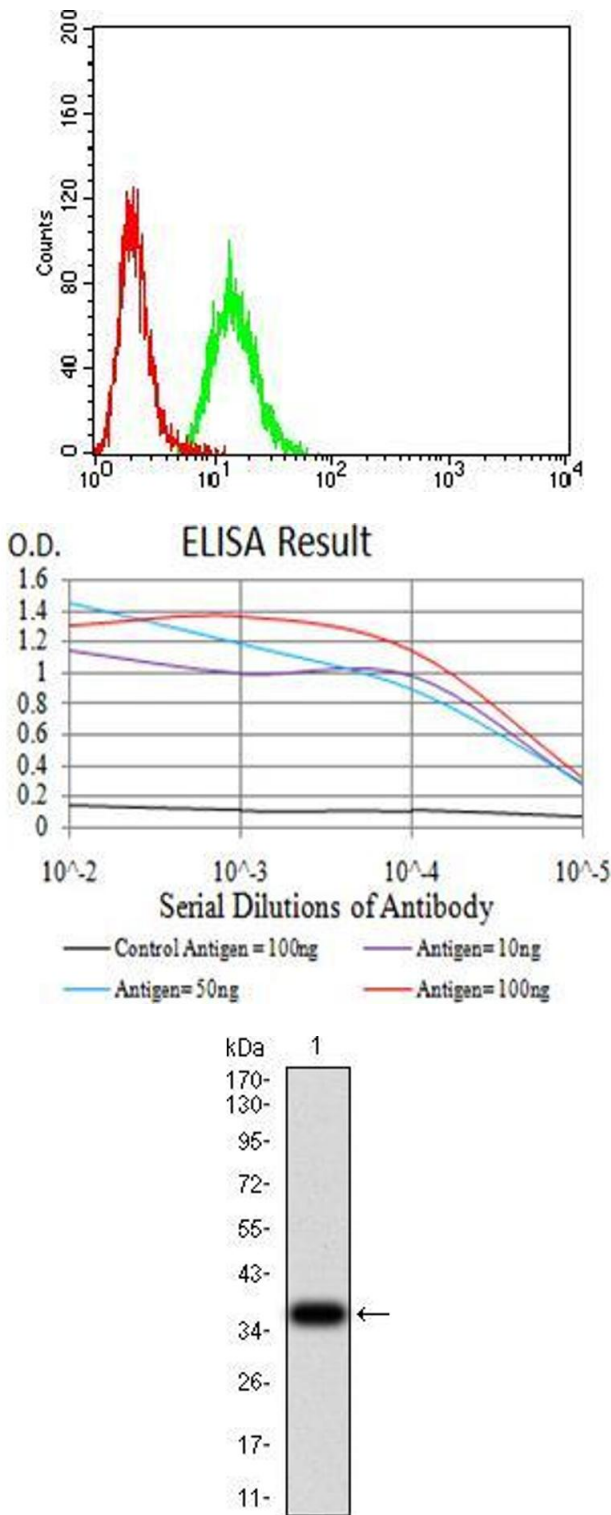
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Flow Cytometry

**Image 1.** Flow cytometric analysis of Hela cells using ACVR1 mouse mAb (green) and negative control (red).

ELISA

**Image 2.** Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

**Image 3.** Western blot analysis using ACVR1 mAb against human ACVR1 (AA: 21-120) recombinant protein. (Expected MW is 37.1 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5542584.