

Datasheet for ABIN5611297
anti-ACVR1 antibody (AA 21-120)



[Go to Product page](#)

8 Images

Overview

Quantity:	100 µL
Target:	ACVR1 (ACRV1)
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACVR1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	ACVR1 Antibody
Immunogen:	Purified recombinant fragment of human ACVR1 (AA: 21-120) expressed in E. Coli.
Clone:	2E2C11
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	ACVR1 (ACRV1)
Alternative Name:	ACVR1 (ACRV1 Products)
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: 57.2kDa

Gene ID: 90

HGNC: 90

UniProt: [Q04771](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400
ICC: 1/200 - 1/1000

Restrictions: For Research Use only

Handling

Format: Liquid

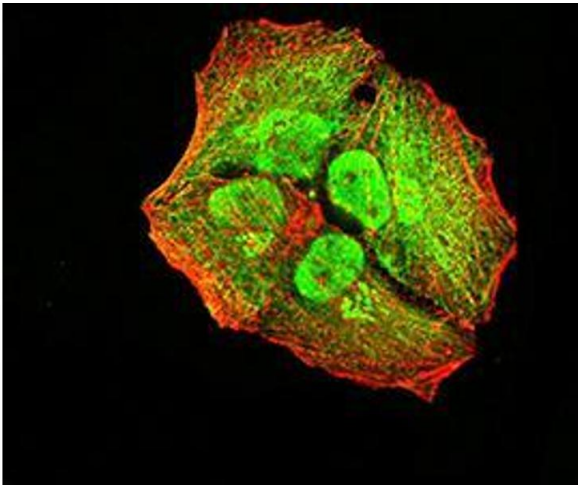
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

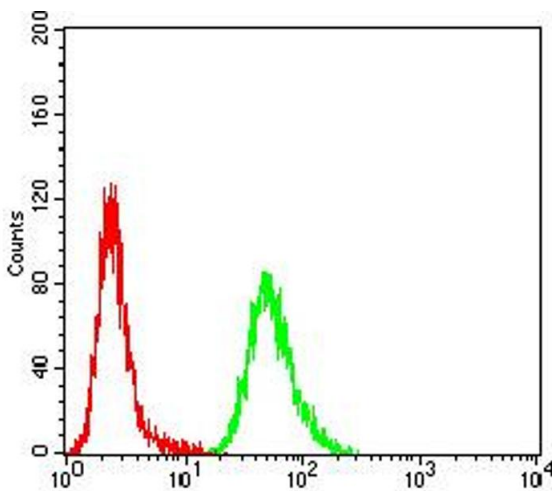
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



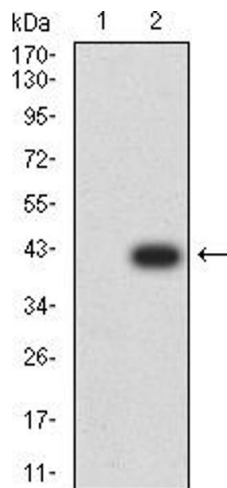
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using ACVR1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow Cytometry

Image 2. Flow cytometric analysis of HeLa cells using ACVR1 mouse mAb (green) and negative control (red).



Western Blotting

Image 3. Western blot analysis using ACVR1 mAb against HEK293 (1) and ACVR1 (AA: 21-120)-hlgGfc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN5611297.