

Datasheet for ABIN7438916
anti-ACVR1 antibody (AA 208-340)



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Overview

Quantity:	100 µL
Target:	ACVR1 (ACRV1)
Binding Specificity:	AA 208-340
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Purpose:	Polyclonal Antibody to Activin A Receptor Type I (ACVR1)
Immunogen:	Recombinant Activin A Receptor Type I (ACVR1) corresponding to Ile208~Lys340 (Accession # Q04771) with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against ACVR1. It has been selected for its ability to recognize ACVR1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	ACVR1 (ACRV1)
Alternative Name:	Activin A Receptor Type I (ACRV1 Products)
Background:	ACVR1A, ALK2, ACVRLK2, TSRI, FOP, SKR1, ACTRI, Activin receptor-like kinase 2, Serine/threonine-protein kinase receptor R1, TGF-B superfamily receptor type I

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

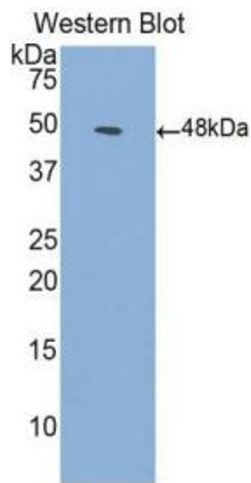
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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 for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



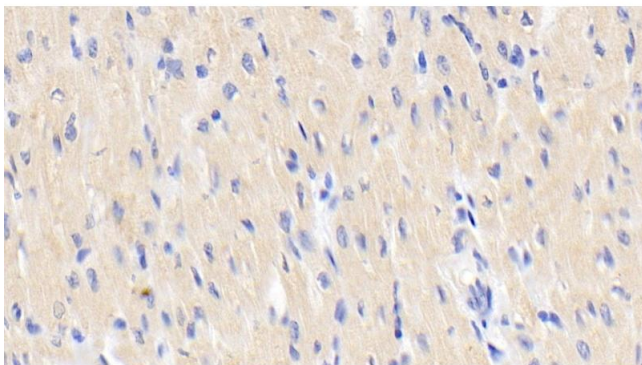
Western Blotting

Image 1. Detection of ACVR1 in Human Hela cell lysate using Polyclonal Antibody to Activin A Receptor Type I (ACVR1)



Western Blotting

Image 2. Detection of recombinant ACVR1 using Polyclonal Antibody to Activin A Receptor Type I (ACVR1)



Immunohistochemistry

Image 3. Detection of ACVR1 in Human Cardiac Muscle Tissue using Polyclonal Antibody to Activin A Receptor Type I (ACVR1)