

Datasheet for ABIN543605

**anti-ACVR2A antibody (N-Term)****3** Images**4** Publications[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	ACVR2A
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of ACVR2A.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ACVR2A.
Cross-Reactivity:	Human

## Target Details

Target:	ACVR2A
Alternative Name:	Activin receptor type 2A (ACVR2A) ( <a href="#">ACVR2A Products</a> )
Gene ID:	92

## Application Details

Application Notes:	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
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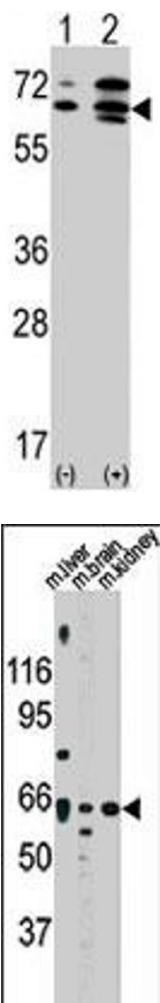
Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	In PBS (0.09 % 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. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

## Publications

Product cited in:	Iwata, Hacia, Suzuki, Sanchez-Lara, Urata, Chai: "Modulation of noncanonical TGF- $\beta$ signaling prevents cleft palate in Tgfb $\beta$ 2 mutant mice." in: <b>The Journal of clinical investigation</b> , Vol. 122, Issue 3, pp. 873-85, (2012) ( <a href="#">PubMed</a> ).
	Martins da Silva, Bayne, Cambray, Hartley, McNeilly, Anderson: "Expression of activin subunits and receptors in the developing human ovary: activin A promotes germ cell survival and proliferation before primordial follicle formation." in: <b>Developmental biology</b> , Vol. 266, Issue 2, pp. 334-45, (2004) ( <a href="#">PubMed</a> ).
	Jung, Doctolero, Tajima, Nguyen, Keku, Sandler, Carethers: "Loss of activin receptor type 2 protein expression in microsatellite unstable colon cancers." in: <b>Gastroenterology</b> , Vol. 126, Issue 3, pp. 654-9, (2004) ( <a href="#">PubMed</a> ).
	Olaru, Mori, Yin, Wang, Kimos, Perry, Xu, Sato, Selaru, Deacu, Sterian, Shibata, Abraham, Meltzer: "Loss of heterozygosity and mutational analyses of the ACTRII gene locus in human colorectal tumors." in: <b>Laboratory investigation; a journal of technical methods and pathology</b> , Vol. 83, Issue 12, pp. 1867-71, (2003) ( <a href="#">PubMed</a> ).

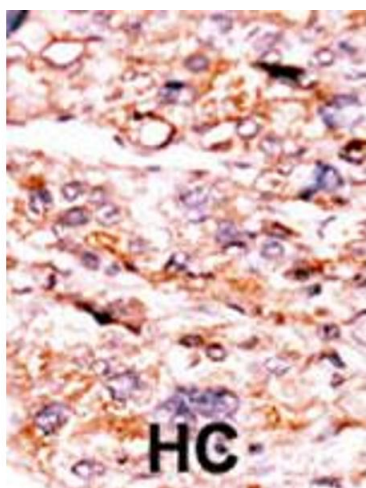


#### Western Blotting

**Image 1.** Western blot analysis of ACVR2A (arrow) using ACVR2A polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ACVR2A gene (Lane 2) (Origene Technologies).

#### Western Blotting

**Image 2.** Western blot analysis of ACVR2A polyclonal antibody in mouse liver, brain and kidney tissue lysates (35 ug/lane). ACVR2A (arrow) was detected using the purified polyclonal antibody.



#### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ACVR2A polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.