

Datasheet for ABIN542984

**anti-ACVR2B antibody (N-Term)****2** Images**4** Publications[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	ACVR2B
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR2B 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 ACVR2B.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ACVR2B.
Cross-Reactivity:	Human

## Target Details

Target:	ACVR2B
Alternative Name:	Activin receptor type 2B (ACVR2B) ( <a href="#">ACVR2B Products</a> )
Gene ID:	93
Pathways:	<a href="#">Hormone Transport</a> , <a href="#">Cancer Immune Checkpoints</a>

## 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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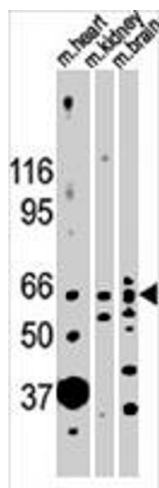
Restrictions:	For Research Use only
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## Handling

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.

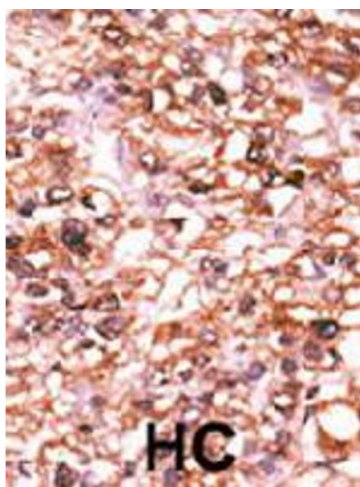
## Publications

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> ).
	Harrison, Gray, Fischer, Donaldson, Choe, Vale: "An activin mutant with disrupted ALK4 binding blocks signaling via type II receptors." in: <b>The Journal of biological chemistry</b> , Vol. 279, Issue 27, pp. 28036-44, (2004) ( <a href="#">PubMed</a> ).
	Casagrandi, Bearfield, Geary, Redman, Muttukrishna: "Inhibin, activin, follistatin, activin receptors and beta-glycan gene expression in the placental tissue of patients with pre-eclampsia." in: <b>Molecular human reproduction</b> , Vol. 9, Issue 4, pp. 199-203, (2003) ( <a href="#">PubMed</a> ).



### Western Blotting

**Image 1.** Western blot analysis of ACVR2B polyclonal antibody in mouse heart, kidney and brain lysates (35 ug/lane). ACVR2B (arrow) was detected using the purified Polyclonal antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ACVR2B 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.