Datasheet for ABIN7263899

anti-ACVR2B antibody

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Overview

Quantity:	200 µL
Target:	ACVR2B
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACVR2B antibody is un-conjugated
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide of human ACVR2B (NP_001097.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	ACVR2B
Alternative Name:	ACVR2B (ACVR2B Products)
Background:	Activins are dimeric growth and differentiation factors which belong to the 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,

Target Details

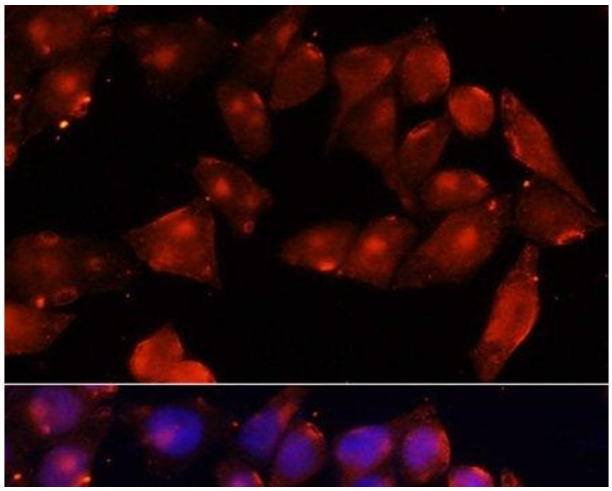
	composed of a ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling, and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. Type II receptors are considered to be constitutively active kinases. This gene encodes activin A type IIB receptor, which displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor.
Gene ID:	93
UniProt:	Q13705
Pathways:	Hormone Transport, Cancer Immune Checkpoints

Application Details

Application Notes:	IF 1:50-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using ACVR2B Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

