

For Research Use Only

# ACVR1B Recombinant antibody

Catalog Number: 83026-5-RR



## Basic Information

<b>Catalog Number:</b> 83026-5-RR	<b>GenBank Accession Number:</b> BC000254	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 91	<b>CloneNo.:</b> 230260E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36896	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> activin A receptor, type 1B	
<b>Immunogen Catalog Number:</b> AG0129	<b>Calculated MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> FC, IF/ICC, ELISA	<b>Positive Controls:</b> IF : NIH/3T3 cells,
<b>Species Specificity:</b> Human, mouse	

## Background Information

ACVR1B (ALK4, activin A receptor type 1B) is a transforming growth factor-beta (TGF-beta) superfamily member (PMID: 37020544). A potential role for ACVR1B in regulating muscle mass is that it is part of the transforming growth factor b (TGFB) pathway regulating myostatin (PMID: 21063444).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

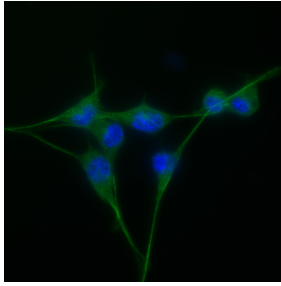
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

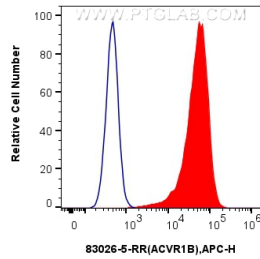
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using ACVR1B antibody (83026-5-RR, Clone: 230260E12 ) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.25 ug Anti-Human ACVR1B (83026-5-RR, Clone:230260E12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).