

For Research Use Only

# ACVR1B Recombinant antibody, PBS Only



Catalog Number: 83026-5-PBS

## Basic Information

<b>Catalog Number:</b> 83026-5-PBS	<b>GenBank Accession Number:</b> BC000254	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 91	<b>CloneNo.:</b> 230260E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36896	
<b>Isotype:</b> IgG	<b>Full Name:</b> activin A receptor, type IB	
<b>Immunogen Catalog Number:</b> AG0129	<b>Calculated MW:</b> 57 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**Species Specificity:**  
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

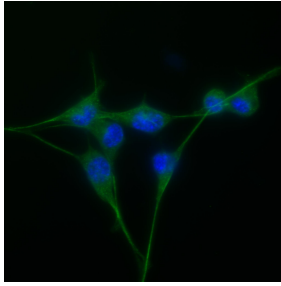
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

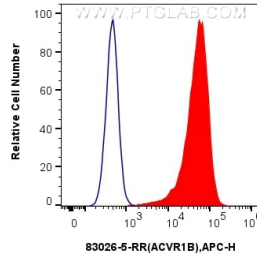
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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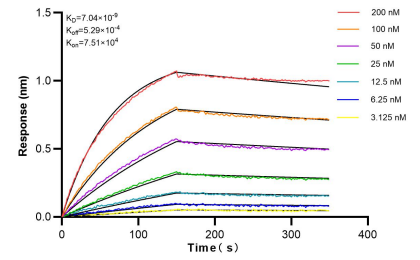
## Selected Validation Data



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). This data was developed using the same antibody clone with 83026-5-PBS in a different storage buffer formulation.



$1 \times 10^6$  HEK-293 cells were intracellularly stained with 0.25  $\mu$ g Anti-Human ACVR1B (83026-5-RR, Clone:230260E12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83026-5-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 83026-5-RR against Human ACVR1B were performed. The affinity constant is 16.1 nM.