

For Research Use Only

# ACVR1B Recombinant antibody, PBS Only

Catalog Number:83026-6-PBS



## Basic Information

<b>Catalog Number:</b> 83026-6-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> 230260C1
<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	
	<b>Observed MW:</b> 52 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## 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

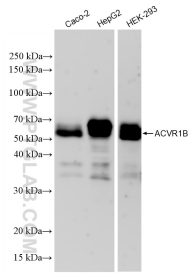
For technical support and original validation data for this product please contact:

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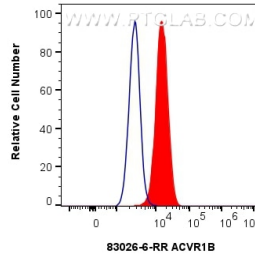
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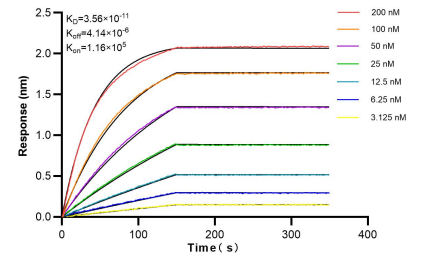
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83026-6-RR (ACVR1B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83026-6-PBS in a different storage buffer formulation.



$1 \times 10^6$  A549 cells were intracellularly stained with 0.4  $\mu$ g ACVR1B Recombinant antibody (83026-6-RR, Clone:230260C1) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4  $\mu$ g Isotype Control (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 83026-6-PBS in a different storage buffer formulation.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83026-6-RR against Human ACVR1B were performed. The affinity constant is 35.6 pM.