

For Research Use Only

ACVR1B Recombinant antibody

Catalog Number: 83026-5-RR



Basic Information

Catalog Number: 83026-5-RR	GenBank Accession Number: BC000254	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 91	CloneNo.: 230260E12
Source: Rabbit	UNIPROT ID: P36896	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: activin A receptor, type IB	
Immunogen Catalog Number: AG0129	Calculated MW: 57 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : NIH/3T3 cells,
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

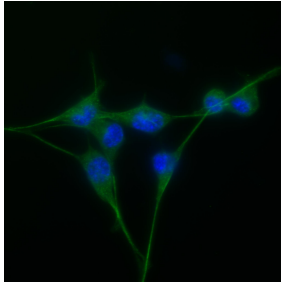
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

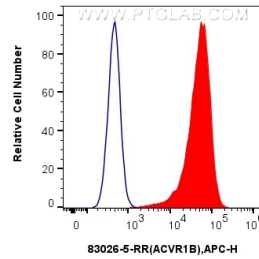
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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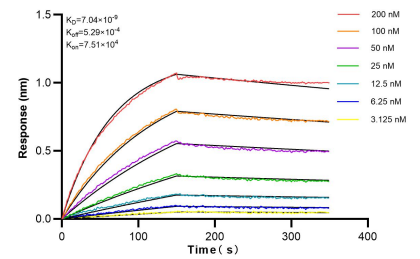
Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 HEK-293 cells were intracellularly stained with 0.25 μ g Anti-Human ACVR1B (83026-5-RR, Clone:230260E12) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ 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).



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