

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:	1000 µg/ml	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

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

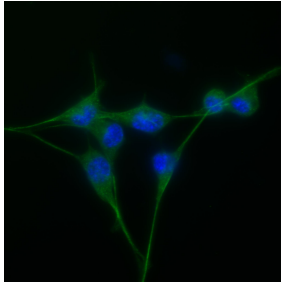
T: 4006900926

E: Proteintech-CN@ptglab.com

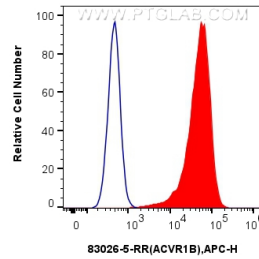
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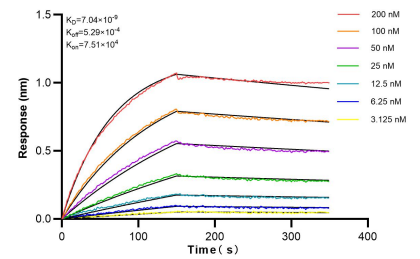
Selected Validation Data



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).



1x10⁶ HEK-293 cells were intracellularly stained with 0.25 µg Anti-Human ACVR1B (83026-5-RR, Clone:230260E12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 µg Rabbit IgG control Rabbit PolyAb (300000-0-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.