

For Research Use Only

CoraLite® Plus 488-conjugated ACVR1B Recombinant antibody



Catalog Number: **CL488-83026-5**

Basic Information

Catalog Number: CL488-83026-5	GenBank Accession Number: BC000254	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/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	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG0129	Calculated MW: 57 kDa	

Applications

Tested Applications: IF/ICC	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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

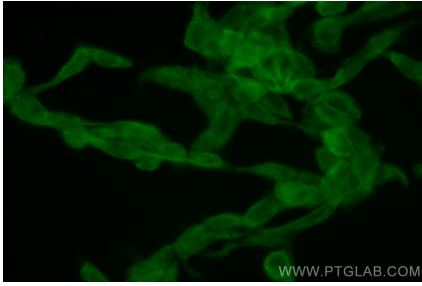
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

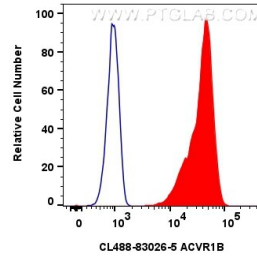
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using CoraLite® Plus 488 ACVR1B antibody (CL488-83026-5, Clone: 230260E12) at dilution of 1:200.



1x10⁶ HEK-293 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Acvr1b Recombinant Antibody (CL488-83026-5, Clone:230260E12)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).