

For Research Use Only

CoraLite® Plus 488-conjugated ACVR1B Recombinant antibody

Catalog Number: CL488-83026-5



Basic Information

Catalog Number:

CL488-83026-5

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0129

GenBank Accession Number:

BC000254

GeneID (NCBI):

91

UNIPROT ID:

P36896

Full Name:

activin A receptor, type IB

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

230260E12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : NIH/3T3 cells,

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

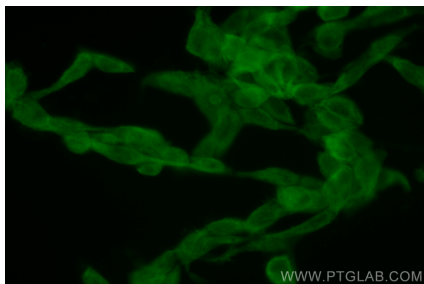
For technical support and original validation data for this product please contact:

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

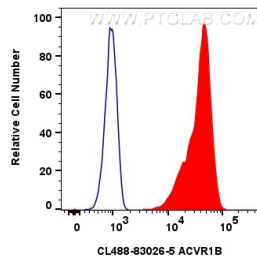
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).