

For Research Use Only

ACVRL1 Recombinant antibody

Catalog Number: 84421-1-RR



Basic Information

Catalog Number:

84421-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC042637

GeneID (NCBI):

94

UNIPROT ID:

P37023

Full Name:

activin A receptor type II-like 1

Calculated MW:

56 kDa

Purification Method:

Protein A purification

CloneNo.:

241686B9

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

Background Information

ACVRL1 (also known as ALK1) is a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine kinase subdomains, a glycine- and serine-rich region (called the GS domain) preceding the kinase domain, and a short C-terminal tail. ACVRL1 is highly expressed in endothelial cells and has a critical role in the control of blood vessel development and repair (PMID: 8640225). Mutations in the ACVRL1 gene are associated with hemorrhagic telangiectasia type 2.

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:

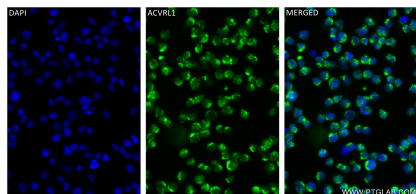
T: 4006900926

E: Proteintech-CN@ptglab.com

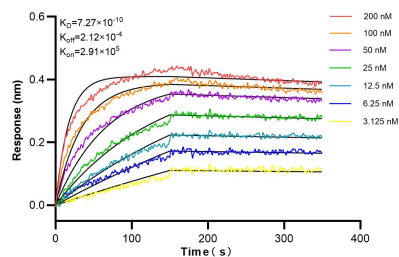
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ACVRL1 antibody (84421-1-RR, Clone: 241686B9) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84421-1-RR against Human ACVRL1 were performed. The affinity constant is 0.727 nM.