

For Research Use Only

ACVRL1 Polyclonal antibody, PBS Only

Catalog Number: 14745-1-PBS



Basic Information

Catalog Number: 14745-1-PBS	GenBank Accession Number: BC042637	Purification Method: Antigen affinity purification
Size: 1 mg/ml	GeneID (NCBI): 94	
Source: Rabbit	UNIPROT ID: P37023	
Isotype: IgG	Full Name: activin A receptor type II-like 1	
Immunogen Catalog Number: AG6449	Calculated MW: 56 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), IP, Indirect ELISA

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

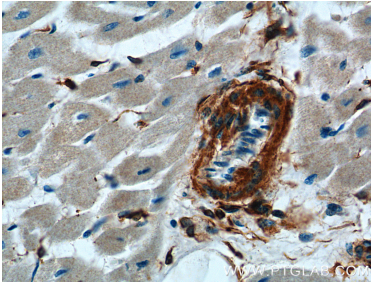
T: 4006900926

E: Proteintech-CN@ptglab.com

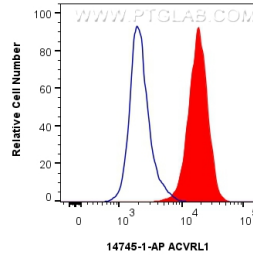
W: ptgcn.com

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

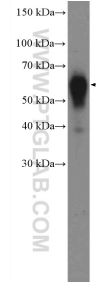
Selected Validation Data



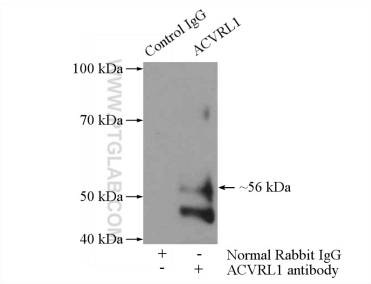
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 14745-1-AP (ACVRL1 Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 14745-1-PBS in a different storage buffer formulation.



1×10^6 Jurkat cells were intracellularly stained with 0.25 μ g ACVRL1 Polyclonal antibody (14745-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(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). This data was developed using the same antibody clone with 14745-1-PBS in a different storage buffer formulation.



human placenta tissue were subjected to SDS PAGE followed by western blot with 14745-1-AP (ACVRL1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14745-1-PBS in a different storage buffer formulation.



IP result of anti-ACVRL1 (IP:14745-1-AP, 4 μ g; Detection:14745-1-AP 1:300) with Jurkat cells lysate 2400 μ g. This data was developed using the same antibody clone with 14745-1-PBS in a different storage buffer formulation.