

For Research Use Only

ACVRL1 Monoclonal antibody

Catalog Number: 66857-1-Ig



Basic Information

Catalog Number: 66857-1-Ig	GenBank Accession Number: BC042637	Purification Method: Protein A purification
Size: 1300 µg/ml	GeneID (NCBI): 94	CloneNo.: 2E11B10
Source: Mouse	UNIPROT ID: P37023	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:150-1:600
Isotype: IgG1	Full Name: activin A receptor type II-like 1	
Immunogen Catalog Number: AG6446	Calculated MW: 56 kDa	
	Observed MW: 56 kDa, 63 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HUVEC cells, Daudi cells, human placenta tissue, JAR cells, Jurkat cells, mouse brain tissue

IHC : human lymphoma tissue,

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:

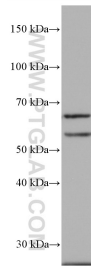
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

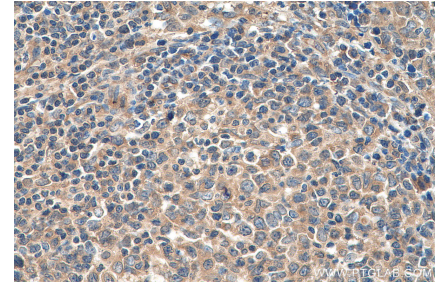
Selected Validation Data



HUVEC cells were subjected to SDS PAGE followed by western blot with 66857-1-Ig (ACVRL1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66857-1-Ig (ACVRL1 antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66857-1-Ig (ACVRL1 antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).