

For Research Use Only

# ACVRL1 Monoclonal antibody

Catalog Number: 66857-1-Ig



## Basic Information

<b>Catalog Number:</b> 66857-1-Ig	<b>GenBank Accession Number:</b> BC042637	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1300 ug/ml by 94 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 94	<b>CloneNo.:</b> 2E11B10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P37023	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600
<b>Isotype:</b> IgG1	<b>Full Name:</b> activin A receptor type II-like 1	
<b>Immunogen Catalog Number:</b> AG6446	<b>Calculated MW:</b> 56 kDa	
	<b>Observed MW:</b> 56 kDa, 63 kDa	

## Applications

**Tested Applications:**  
WB, IHC, 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

\*\*\* 20ul sizes contain 0.1% BSA

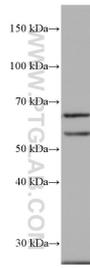
For technical support and original validation data for this product please contact:

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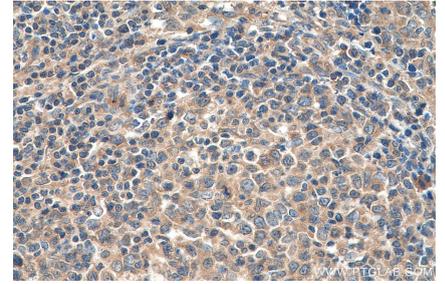
## Selected Validation Data



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).