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anti-ACVRL1 antibody

3 Images



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Overview

Quantity:	100 μL
Target:	ACVRL1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ACVRL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ACVRL1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human ACVRL1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ACVRL1
Alternative Name:	ACVRL1 (ACVRL1 Products)
Background:	This gene encodes 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. The encoded protein, sometimes termed ALK1, shares similar domain structures with other closely related ALK or activin receptor-like kinase proteins that form a subfamily of receptor serine/threonine kinases. Mutations in this gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2. [provided by RefSeq, Jul 2008],ACVRLK1, ALK-1, ALK1, HHT, HHT2, ORW2, SKR3, TSR-I,Amino acid metabolism,Angiogenesis,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Endocrine & Metabolism,Growth factors,Kinase,Signal Transduction,ACVRL1

Molecular Weight: 56kDa

Gene ID: 94

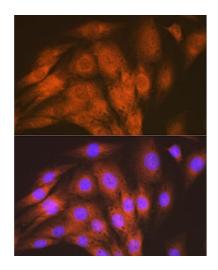
UniProt: P37023

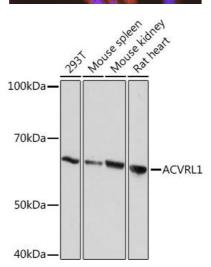
Application Details

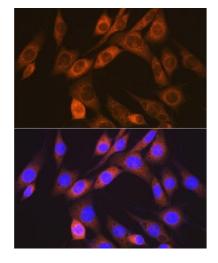
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.







Immunofluorescence

Image 1. Immunofluorescence analysis of C6 cells using Rabbit mAb (ABIN7265412) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Rabbit mAb (ABIN7265412) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Immunofluorescence

Image 3. Immunofluorescence analysis of NIH-3T3 cells using Rabbit mAb (ABIN7265412) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.