Product Name: KD-Validated Activin A Receptor Like Type 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01402
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 56.1kDa

Antigen Information

Gene Name	ACVRL1
Alternative Names	ACVRL1; Activin A Receptor Like Type 1; ALK1; ACVRLK1; HHT2; HHT; Serine/Threonine-Protein Kinase Receptor R3; Activin A Receptor Type II-Like 1; TGF-B Superfamily Receptor Type I; Activin Receptor-Like Kinase 1; Activin A Receptor Type IL; EC 2.7.11.30; ALK-1; TSR-I; ORW2; SKR3; Activin A Receptor, Type II-Like Kinase 1; EC 2.7.11
Gene ID	94.0
SwissProt ID	P37023
Immunogen	A synthesized peptide derived from human ACVRL1

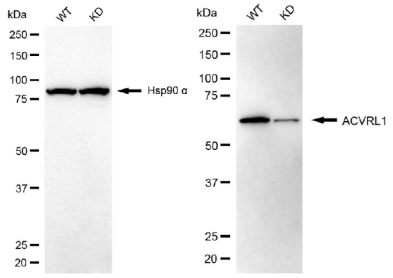
Background

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]

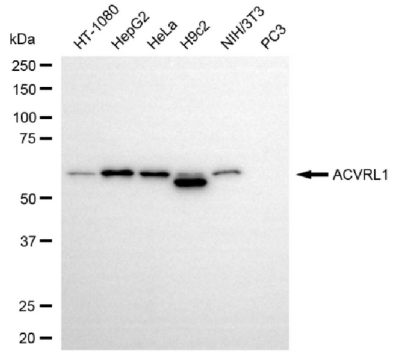
Research Area

Cardiovascular,Signal Transduction,Metabolism

Image Data



Western blotting analysis using ACVRL1 antibody (KVAb01402). ACVRL1 expression in wild type (WT) and ACVRL1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ACVRL1 antibody (KVAb01402, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ACVRL1 antibody (KVAb01402). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ACVRL1 antibody (KVAb01402, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.