

Product Name: ACVRL1 (9G1) Rabbit Monoclonal Antibody
Catalog #: AMRe06570

Summary

Production Name	ACVRL1 (9G1) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	ACVRL1
Alternative Names	SKR3; Activin receptor-like kinase 1; ALK-1; TGF-B superfamily receptor type I; TSR-I; ACVRL1; ACVRLK1; ALK1;
Gene ID	94.0
SwissProt ID	P37023.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	56kDa

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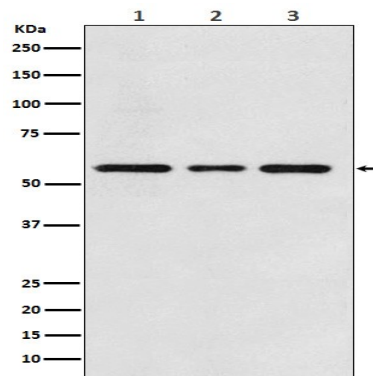


Background

On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for TGF-beta. May bind activin as well. Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.

Research Area

Image Data



Western blot analysis of ACVRL1 expression in (1) Jurkat cell lysate; (2) Mouse kidney lysate; (3) Rat kidney lysate.

Note

For research use only.