

ALK-1 Polyclonal Antibody

Catalog # AP68381

Product Information

Application WB, IHC-P, IF **Primary Accession** P37023

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW56124

Additional Information

Gene ID 94

Other Names ACVRL1; ACVRLK1; ALK1; Serine/threonine-protein kinase receptor R3; SKR3;

Activin receptor-like kinase 1; ALK-1; TGF-B superfamily receptor type I; TSR-I

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other

applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name ACVRL1

Synonyms ACVRLK1, ALK1

Function 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.

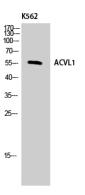
Cellular Location Cell membrane; Single-pass type I membrane protein

Background

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.

Images



Western Blot analysis of K562 cells using ALK-1 Polyclonal Antibody

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