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ALK-1 (9M14) Rabbit Monoclonal Antibody

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Catalog # AP93806

Product Information

Application	WB
Primary Accession	P80203
Reactivity	Mouse, Rat
Clonality	Monoclonal
Calculated MW	56703

Additional Information

Gene ID	25237
Other Names	Activin receptor type-1-like, 2.7.11.30, Serine/threonine-protein kinase receptor R3, SKR3, TGF-B superfamily receptor type I, TSR-I, Acvrl1, Acvrlk1
Dilution	WB~~1:1000
Storage Conditions	-20℃

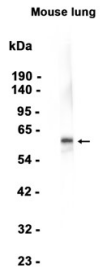
Protein Information

Name	Acvrl1
Synonyms	Acvrlk1
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 {ECO:0000250|UniProtKB:P37023}; Single-pass type I membrane protein
Tissue Location	Urogenital ridge, testis, ovary, brain and lung. In lung, found exclusively in pulmonary vessels of all sizes. Also expressed in aorta, vena cava and certain blood vessels of kidney, spleen, heart and intestine. For most blood vessels, a higher level of expression is found in endothelium than in adjacent smooth muscle

Background

Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development

Images



Western blot analysis of extracts from Mouse lung tissue using AP93806 at 1:1000.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.