

ARG55147 anti-ACVRL1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ACVRL1
Tested Reactivity	Hu
Predict Reactivity	Bov
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACVRL1
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 11-44 (N-terminus) of Human ACVRL1.
Conjugation	Un-conjugated
Alternate Names	ACVRLK1; ALK1; ORW2; ALK-1; HHT; EC 2.7.11.30; Serine/threonine-protein kinase receptor R3; TGF-B superfamily receptor type I; HHT2; SKR3; TSR-I; Activin receptor-like kinase 1

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

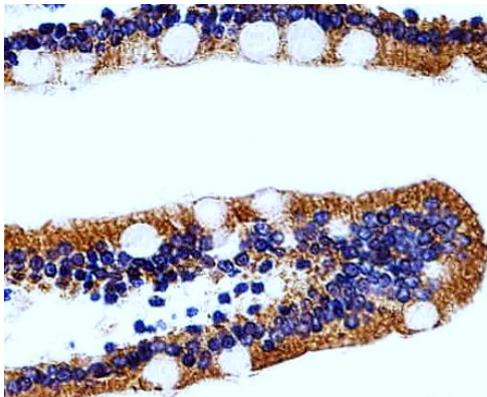
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

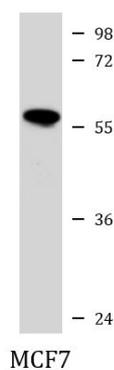
Database links	GeneID: 94 Human Swiss-port # P37023 Human
Gene Symbol	ACVRL1
Gene Full Name	activin A receptor type II-like 1
Background	This gene encodes a type I cell-surface receptor for the TGF-beta superfamily of ligands. It shares with other type I receptors a high degree of similarity in serine-threonine 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]
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. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	56 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein

Images



ARG55147 anti-ACVRL1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue stained with ARG55147 anti-ACVRL1 antibody at 1:25 dilution.



ARG55147 anti-ACVRL1 antibody WB image

Western blot: 35 µg of MCF7 cell lysate stained with ARG55147 anti-ACVRL1 antibody at 1:1000 dilution.