

产品名称: ACTR-IB Rabbit Polyclonal Antibody
产品货号: APRab06562



产品概述 (Summary)

产品名称 (Production Name)	ACTR-IB Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ACVR1B ACVR1B; ACVRLK4; ALK4; Activin receptor type-1B; Activin receptor type 1B;
别名 (Alternative Names)	ACTR-IB; Activin receptor-like kinase 4; ALK-4; Serine/threonine-protein kinase receptor R2; SKR2
基因 ID (Gene ID)	91.0
蛋白 ID (SwissProt ID)	P36896.The antiserum was produced against synthesized peptide derived from human ACV1B. AA range:73-122

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	56kDa

产品名称: ACTR-IB Rabbit Polyclonal Antibody
产品货号: APRab06562



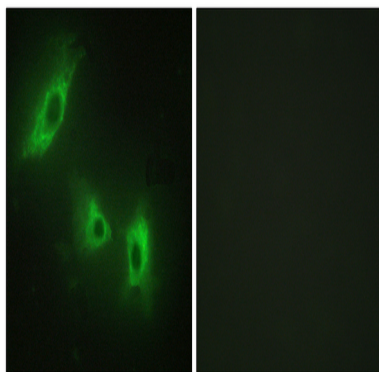
研究背景 (Background)

This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010],catalytic activity:ATP + [receptor-protein] = ADP + [receptor-protein] phosphate.,cofactor:Magnesium or manganese.,function: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. Phosphorylates TTRAP.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.,similarity:Contains 1 GS domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with AIP1. Part of a complex consisting of AIP1, ACVR2A, ACVR1B and SMAD3. Interacts with TTRAP.,tissue specificity:Expressed in many tissues, most strongly in kidney, pancreas, brain, lung, and liver.,

研究领域 (Research Area)

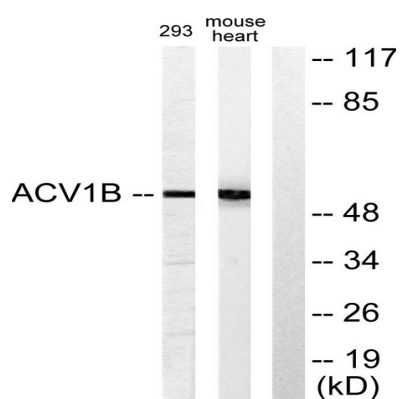
MAPK_ERK_Growth;MAPK_G_Protein;Cytokine-cytokine receptor interaction;Endocytosis;TGF-beta;Adherens_Junction;Pathways in cancer;Colorectal cancer;Pancreatic cancer;Chronic myeloid leukemia;

图片 (Image Data)

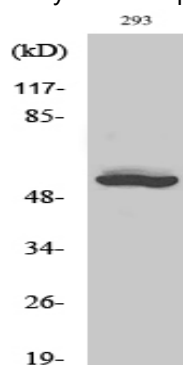


Immunofluorescence analysis of HeLa cells, using ACV1B Antibody. The picture on the right is blocked with the synthesized peptide.

产品名称: ACTR-IB Rabbit Polyclonal Antibody
产品货号: APRab06562



Western blot analysis of lysates from 293 and mouse liver cells, using ACV1B Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using ACTR-IB Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .