

产品名称: ACTR-IIA Rabbit Polyclonal Antibody
产品货号: APRab06564



产品概述 (Summary)

产品名称 (Production Name)	ACTR-IIA Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	ACVR2A
别名 (Alternative Names)	ACVR2A; ACVR2; Activin receptor type-2A; Activin receptor type IIA; ACTR-IIA; ACTRIIA
基因 ID (Gene ID)	92.0
蛋白 ID (SwissProt ID)	P27037.The antiserum was produced against synthesized peptide derived from human ACTR-IIA. AA range:10-59

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	48kDa

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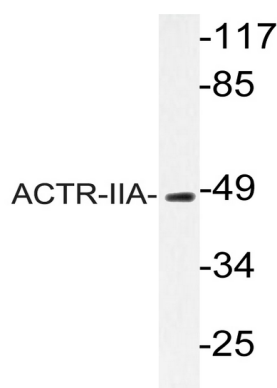
研究背景 (Background)

This gene encodes a receptor that mediates the functions of activins, which are members of the transforming growth factor-beta (TGF-beta) superfamily involved in diverse biological processes. The encoded protein is a transmembrane serine-threonine kinase receptor which mediates signaling by forming heterodimeric complexes with various combinations of type I and type II receptors and ligands in a cell-specific manner. The encoded type II receptor is primarily involved in ligand-binding and includes an extracellular ligand-binding domain, a transmembrane domain and a cytoplasmic serine-threonine kinase domain. This gene may be associated with susceptibility to preeclampsia, a pregnancy-related disease which can result in maternal and fetal morbidity and mortality. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jun 2013], catalytic activity: $\text{ATP} + [\text{receptor-protein}] = \text{ADP} + [\text{receptor-protein}]$ 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. Receptor for activin A, activin B and inhibin A, similarity: Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily, similarity: Contains 1 protein kinase domain, subunit: Interacts with AIP1. Part of a complex consisting of AIP1, ACVR2A, ACVR1B and SMAD3,

研究领域 (Research Area)

Cytokine-cytokine receptor interaction; TGF-beta;

图片 (Image Data)



Western blot analysis of lysates from rat kidney, using ACTR-IIA antibody.

注意事项 (Note)

For research use only .