

产品名称: Rock-2 Rabbit Polyclonal Antibody
产品货号: AP Rab17315



产品概述 (Summary)

产品名称 (Production Name)	Rock-2 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,Monkey

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)	ROCK2 ROCK2; KIAA0619; Rho-associated protein kinase 2; Rho kinase 2; Rho-associated; coiled-coil-containing protein kinase 2; Rho-associated, coiled-coil-containing protein kinase II; ROCK-II; p164 ROCK-2
别名 (Alternative Names)	
基因 ID (Gene ID)	9475.0
蛋白 ID (SwissProt ID)	O75116.The antiserum was produced against synthesized peptide derived from human ROCK2. AA range:691-740

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	165kDa

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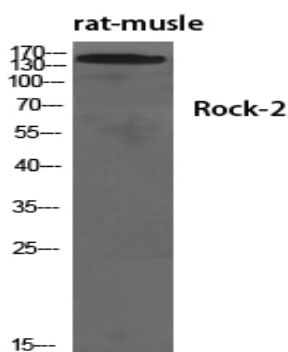
研究背景 (Background)

The protein encoded by this gene is a serine/threonine kinase that regulates cytokinesis, smooth muscle contraction, the formation of actin stress fibers and focal adhesions, and the activation of the c-fos serum response element. This protein, which is an isozyme of ROCK1 is a target for the small GTPase Rho. [provided by RefSeq, Jul 2008], catalytic activity: ATP + a protein = ADP + a phosphoprotein., enzyme regulation: Activated by RHOA binding., function: Protein kinase that phosphorylates a large number of important signaling proteins, and thereby regulates the assembly of the actin cytoskeleton. Promotes formation of stress fibers and of focal adhesion complexes. Plays a role in smooth muscle contraction., miscellaneous: Inhibited by Y-27632., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 PH domain., similarity: Contains 1 phorbol-ester/DAG-type zinc finger., similarity: Contains 1 protein kinase domain., similarity: Contains 1 REM (Hr1) repeat., subcellular location: Cytoplasmic, and associated with actin microfilaments and the plasma membrane., subunit: Homodimer. Binds RHOA that has been activated by GTP binding. Binds IRS1, RHOB and RHOC.,

研究领域 (Research Area)

Chemokine; Vascular smooth muscle contraction; WNT; WNT-T CELL TGF-beta; Axon guidance; Focal adhesion; Leukocyte transendothelial migration; Regulates Actin and Cytoskeleton; Pathogenic Escherichia coli infection;

图片 (Image Data)



Western Blot analysis of various cells using Rock-2 Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .