

产品名称: RIN1 Rabbit Polyclonal Antibody
产品货号: APRab17197



产品概述 (Summary)

产品名称 (Production Name)	RIN1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,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)	RIN1
别名 (Alternative Names)	RIN1; Ras and Rab interactor 1; Ras inhibitor JC99; Ras interaction/interference protein 1
基因 ID (Gene ID)	9610.0
蛋白 ID (SwissProt ID)	Q13671.The antiserum was produced against synthesized peptide derived from human RIN1. AA range:655-704

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	84kDa

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研究背景 (Background)

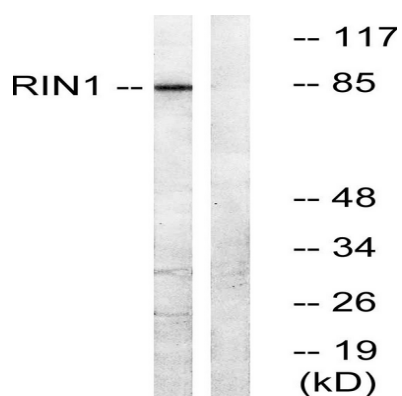
function: Ras effector protein, which may serve as an inhibitory modulator of neuronal plasticity in aversive memory formation. Can affect Ras signaling at different levels. First, by competing with RAF1 protein for binding to activated Ras. Second, by enhancing signaling from ABL1 and ABL2, which regulate cytoskeletal remodeling. Third, by activating RAB5A, possibly by functioning as a guanine nucleotide exchange factor (GEF) for RAB5A, by exchanging bound GDP for free GTP, and facilitating Ras-activated receptor endocytosis., PTM: Phosphorylated on tyrosine residues by ABL1 and ABL2. Phosphorylated on Ser-351 by PKD., similarity: Belongs to the RIN (Ras interaction/interference) family., similarity: Contains 1 Ras-associating domain., similarity: Contains 1 SH2 domain., similarity: Contains 1 VPS9 domain., subcellular location: Some amount is membrane-associated., subunit: Interacts with the GTP-bound form of Ras proteins (NRAS, HRAS and KRAS). This interaction prevents the association between RAF1 and Ras. Interacts with 14-3-3 proteins YWHAB, YWHAE and YWHAZ when phosphorylated on Ser-351. Interacts with the SH3 domain of ABL1 and ABL2. Interacts with RAB5A. The interaction with Ras is probably regulated and antagonized by the interaction with 14-3-3 proteins. The interaction with 14-3-3 proteins is regulated by phosphorylation on Ser-351., tissue specificity: Expressed in all tissues examined with high levels in brain, placenta and pancreas., function: Ras effector protein, which may serve as an inhibitory modulator of neuronal plasticity in aversive memory formation. Can affect Ras signaling at different levels. First, by competing with RAF1 protein for binding to activated Ras. Second, by enhancing signaling from ABL1 and ABL2, which regulate cytoskeletal remodeling. Third, by activating RAB5A, possibly by functioning as a guanine nucleotide exchange factor (GEF) for RAB5A, by exchanging bound GDP for free GTP, and facilitating Ras-activated receptor endocytosis., PTM: Phosphorylated on tyrosine residues by ABL1 and ABL2. Phosphorylated on Ser-351 by PKD., similarity: Belongs to the RIN (Ras interaction/interference) family., similarity: Contains 1 Ras-associating domain., similarity: Contains 1 SH2 domain., similarity: Contains 1 VPS9 domain., subcellular location: Some amount is membrane-associated., subunit: Interacts with the GTP-bound form of Ras proteins (NRAS, HRAS and KRAS). This interaction prevents the association between RAF1 and Ras. Interacts with 14-3-3 proteins YWHAB, YWHAE and YWHAZ when phosphorylated on Ser-351. Interacts with the SH3 domain of ABL1 and ABL2. Interacts with RAB5A. The interaction with Ras is probably regulated and antagonized by the interaction with 14-3-3 proteins. The interaction with 14-3-3 proteins is regulated by phosphorylation on Ser-351., tissue specificity: Expressed in all tissues examined with high levels in brain, placenta and pancreas.,

研究领域 (Research Area)

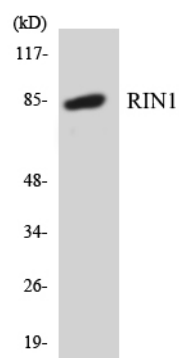
Neuroscience; Neurology process; Neural Signal Transduction; Signal Transduction; Signaling Pathway; G Protein Signaling; Small G Proteins; Ras Family; Epigenetics and Nuclear Signaling; Transcription; Cancer susceptibility; Tumor Suppressors; Cancer; Oncoproteins/suppressors; Tumor suppressors

图片 (Image Data)

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Western blot analysis of lysates from K562 cells, using RIN1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using RIN1 antibody.

注意事项 (Note)

For research use only .