

RIN1 rabbit pAb antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A20873	Rabbit	1 mg/ml	84099

Applications	WB,ELISA
Reactivity	Human,Mouse,Rat
Dilution	WB: 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Storage	-20°C/1 year
Specificity	RIN1 Polyclonal Antibody detects endogenous levels of RIN1 protein.
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Immunogen	The antiserum was produced against synthesized peptide derived from human RIN1. AA range:655-704
Uniprot No	Q13671
Alternative names	RIN1; Ras and Rab interactor 1; Ras inhibitor JC99; Ras interaction/interference protein 1
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Clonality	Polyclonal
Isotype	IgG
Conjugation	
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.,
Other	RIN1, Ras and Rab interactor 1

Product Images:**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry CHIP-Chromatin Immunoprecipitation
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All
Species Expected

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