

RIN1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51833

Product Information

Application	WB
Primary Accession	Q13671
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84099

Additional Information

Gene ID	9610
Other Names	Ras and Rab interactor 1, Ras inhibitor JC99, Ras interaction/interference protein 1, RIN1
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	RIN1
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.
Cellular Location	Cytoplasm. Membrane. Cytoplasm, cytoskeleton. Note=Some amount is membrane-associated
Tissue Location	Expressed in all tissues examined with high levels in brain, placenta and pancreas.

Background

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.

References

Colicelli J., et al. Proc. Natl. Acad. Sci. U.S.A. 88:2913-2917(1991).
Han L., et al. Mol. Cell. Biol. 15:1318-1323(1995).
Han L., et al. Proc. Natl. Acad. Sci. U.S.A. 94:4954-4959(1997).
Afar D.E.H., et al. Immunity 6:773-782(1997).
Tall G.G., et al. Dev. Cell 1:73-82(2001).

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