

RIN1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51833

Specification

RIN1 Antibody - Product Information

Application	WB, E
Primary Accession	O13671
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	90 KDa

RIN1 Antibody - Additional Information

Gene ID 9610

Other Names

Ras and Rab interactor 1, Ras inhibitor JC99, Ras interaction/interference protein 1, RIN1

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

RIN1 Antibody - 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.

RIN1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RIN1 Antibody - Images

RIN1 Antibody - Background

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RIN1 Antibody - 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).