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## RIN1 Rabbit pAb

Catalog Number: bs-6094R

Target Protein: RIN1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Rat (predicted:Human, Mouse, Pig, Cow)

Predicted MW: 84 kDa

Entrez Gene: 9610

Swiss Prot: Q13671

Source: KLH conjugated synthetic peptide derived from human RIN1: 201-300/783.

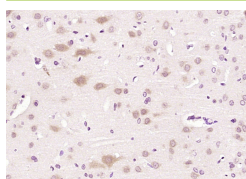
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** RIN1 is a Ras effector protein which can affect Ras signaling in a variety of ways. It enhances signaling from ABL1 and ABL2 which are involved in regulation of cytoskeletal remodeling. It may function as a guanine nucleotide exchange factor in activation of Rab5a. Rin1 also competes with RAF1 for binding of the activated form of Ras. It may play a role inhibiting the modulation of neuronal plasticity in formation of aversive memory, and has been implicated as a tumor suppressor gene in breast cancer.

### VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RIN1) Polyclonal Antibody, Unconjugated (bs-6094R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

### PRODUCT SPECIFIC PUBLICATIONS

[IF=3.7] Roland Osei Saahene. et al. Expression of RAS and RAB interactor 1 (RIN1) in head and neck tumors at selected hospital in Ghana.

PLOS ONE. 2024 Apr;19(4):e0301295 IHC ; Human . 38635569