## bs-6094R

# [ Primary Antibody ]

# RIN1 Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD: 9610 SWISS:** Q13671

Target: RIN1

**Immunogen:** KLH conjugated synthetic peptide derived from human RIN1:

201-300/783.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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 supressor gene in breast cancer.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

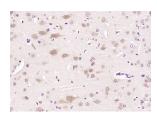
Reactivity: Rat (predicted: Human,

Mouse, Pig, Cow)

**Predicted** MW.:

**Subcellular Location:** Cell membrane ,Cytoplasm

### 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.

## - SELECTED CITATIONS -

- [IF=4.6] Qi Zhang, et al. Neuropathic pain caused contextual fear generalization by reducing RIN1 expression in dorsal hippocampal CA1 pyramidal neurons. NEUROPHARMACOLOGY. 2025 Nov;279:110644 IF; Mouse. 40835090
- [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