

For Research Use Only

RIT2 Recombinant antibody

Catalog Number: 84520-1-RR



Basic Information

Catalog Number:

84520-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3160

GenBank Accession Number:

BC018060

GeneID (NCBI):

6014

UNIPROT ID:

Q99578

Full Name:

Ras-like without CAAX 2

Calculated MW:

217 aa, 25 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

241916A7

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : rat brain tissue, mouse brain tissue, fetal human brain tissue

Background Information

RIT2 (AKA: Rin, Ras-like in neurons) is a small, neuronal, ras-like GTPase with enriched expression in SNc DANs (PMID: 38395968). RIT2 is a member of the Ras superfamily that plays important roles in many vital cellular functions, such as differentiation and survival (PMID: 29860660). Rit2 directly interacts with the DA transporter (DAT), and is required for regulated DAT membrane trafficking. In cell culture models, Rit2 is required for EGF- and NGF-mediated neurite outgrowth, NGF-mediated ERK phosphorylation, and cell viability (PMID: 38395968).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

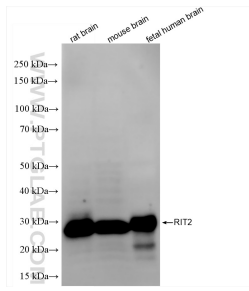
T: 4006900926

E: Proteintech-CN@ptglab.com

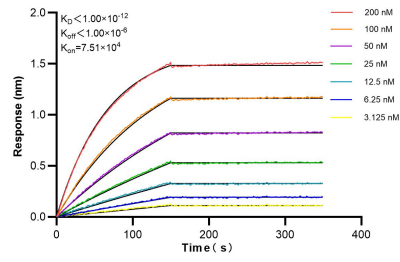
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84520-1-RR (RIT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84520-1-RR against Human RIT2 were performed. The affinity constant is below 1 pM.