

For Research Use Only

RIT1 Recombinant antibody

Catalog Number: 85347-1-RR



Basic Information

Catalog Number:

85347-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25636

GenBank Accession Number:

BC104186

GeneID (NCBI):

6016

UNIPROT ID:

Q92963

Full Name:

Ras-like without CAAX 1

Calculated MW:

25 kDa

Observed MW:

25-28 kDa

Purification Method:

Protein A purification

CloneNo.:

242593E4

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : A549 cells, mouse kidney tissue, HeLa cells

Background Information

RIT1 (Ras-like without CAAX protein 1) is also named as RIBB, ROC1 and GTP-binding protein Rit1. RIT1 serves as a regulatory factor for neuronal cell proliferation, survival, and differentiation (PMID: 28007959). Rit1 mediates oxidative stress resistance, contributing to cell survival via the p38 MAPK signaling pathway (PMID: 21737674). As a small G protein of Ras family, RIT1 plays a critical role in various tumors (such as hepatocellular carcinoma, HCC) (PMID: 38017479). It is worth noting that RIT1 is frequently amplified in various human cancers including HCC, lung adenocarcinoma, cholangiocarcinoma, uterine carcinosarcoma, breast cancer, and ovarian cancer (PMID: 38017479).

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:

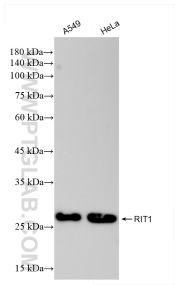
T: 4006900926

E: Proteintech-CN@ptglab.com

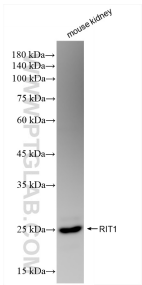
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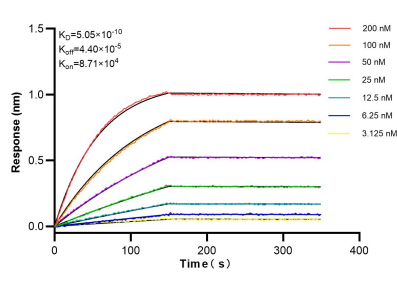
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85347-1-RR (RIT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Mouse kidney tissue was subjected to SDS PAGE followed by western blot with 85347-1-RR (RIT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85347-1-RR against Human RIT1 were performed. The affinity constant is 0.505 nM.