

For Research Use Only

RUFY3 Recombinant antibody

Catalog Number: 83601-2-RR



Basic Information

Catalog Number:

83601-2-RR

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35558

GenBank Accession Number:

BC051716

GeneID (NCBI):

22902

UNIPROT ID:

Q7L099

Full Name:

RUN and FYVE domain containing 3

Calculated MW:

53 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

240519E7

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, SGC-7901 cells, HeLa cells, BGC-823 cells, mouse brain tissue, rat brain tissue

Background Information

RUFY3 (RUN and FYVE domain-containing protein 3) was originally described as lacking part of the C-terminal CC2 and FYVE domains. The interaction of RUFY3 with the filamentous actin network through a complex formed together with Rap2 and Fascin 1 (FSCN1) is critical for axonogenesis and growth cone development (PMID: 37463962). RUFY3 also seems to play a crucial role in promoting cancer development (PMID: 34510031).

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

*** 20ul sizes contain 0.1% BSA

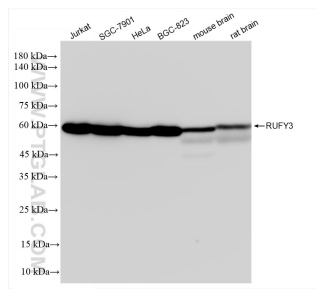
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

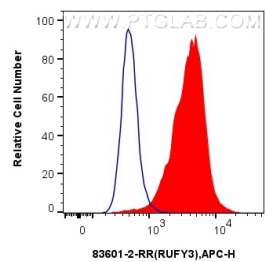
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

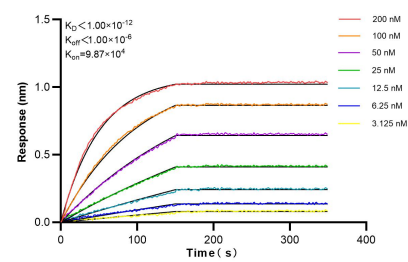
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83601-2-RR (RUFY3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug RUFY3 Recombinant antibody (83601-2-RR, Clone:240519E7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83601-2-RR against Human RUFY3 were performed. The affinity constant is below 1 pM.