

For Research Use Only

# RNF216 Recombinant antibody

Catalog Number: 83658-2-RR



## Basic Information

Catalog Number:

83658-2-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0238

GenBank Accession Number:

BC000787

GeneID (NCBI):

54476

UNIPROT ID:

Q9NWF9

Full Name:

ring finger protein 216

Calculated MW:

48 kDa

Observed MW:

~130 kDa

Purification Method:

Protein A purification

CloneNo.:

240489G2

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Species Specificity:

human

Positive Controls:

WB : SW480 cells, Caco-2 cells

IP : SW480 cells,

## Background Information

RNF216/TRIAD3 is an RBR (RING-between-RING) E3 ligase that encodes for multiple isoforms that include TRIAD3A, TRIAD3B, TRIAD3C and TRIAD3D/E. RNF216 is a broadly expressed RBR E3 ligase, and loss-of-function mutations in RNF216 are linked to the neurodegenerative conditions Gordon-Holmes syndrome (GHS) and Huntington-like disorders (PMID: 34998453, 35620441). RNF216 has three different molecular weights, 99 kDa, 106 kDa and 57 kDa, respectively. Western analysis detected the ~130 kDa band as indicated in literature (PMID: 21270397).

## 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

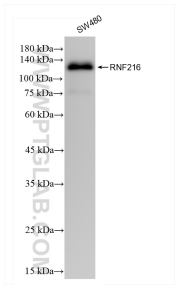
For technical support and original validation data for this product please contact:

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

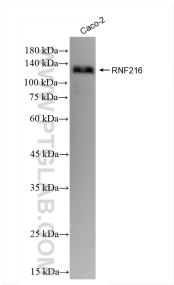
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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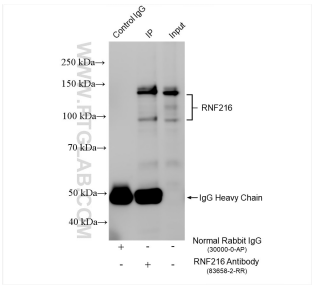
Selected Validation Data



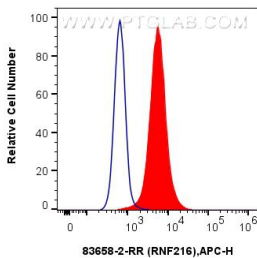
SW480 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



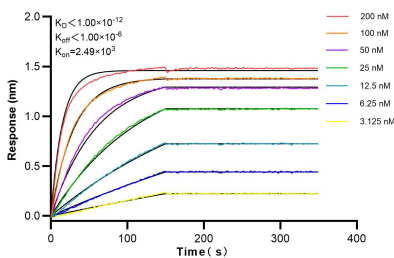
Caco-2 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-RNF216 (IP:83658-2-RR, 4ug; Detection:83658-2-RR 1:1000) with SW480 cells lysate 1280 ug.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug RNF216 Recombinant antibody (83658-2-RR, Clone:240489G2) and APC-Conjugated AffiniPure 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 83658-2-RR against Human RNF216 were performed. The affinity constant is below 1 pM.