

For Research Use Only

# RNF216 Recombinant antibody

Catalog Number: 83658-2-RR



## Basic Information

**Catalog Number:**

83658-2-RR

**Size:**

1000 ug/ml

**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

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

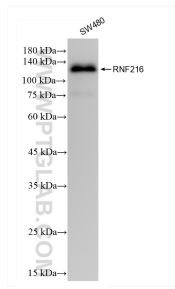
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

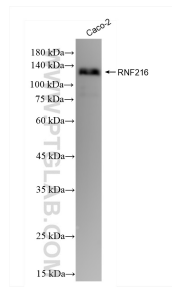
W: [ptgcn.com](http://ptgcn.com)

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

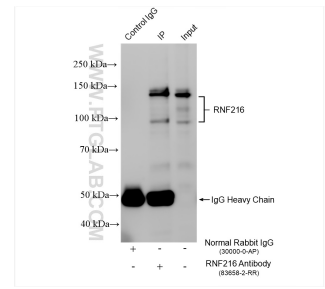
## Selected Validation Data



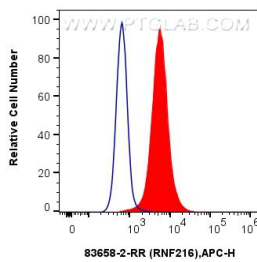
SW480 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



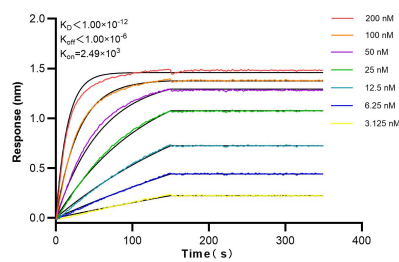
Caco-2 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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



$1 \times 10^6$  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).



Biacore BLI kinetic assays of 83658-2-RR against Human RNF216 were performed. The affinity constant is below 1 pM.