

For Research Use Only

RNF216 Recombinant antibody

Catalog Number:83658-2-RR



Basic Information

Catalog Number: 83658-2-RR	GenBank Accession Number: BC000787	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54476	CloneNo.: 240489G2
Source: Rabbit	UNIPROT ID: Q9NWF9	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: ring finger protein 216	
Immunogen Catalog Number: AG0238	Calculated MW: 48 kDa	
	Observed MW: ~130 kDa	

Applications

Tested Applications: WB, FC (Intra), IP, ELISA	Positive Controls: WB : SW480 cells, Caco-2 cells IP : SW480 cells,
Species Specificity: human	

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

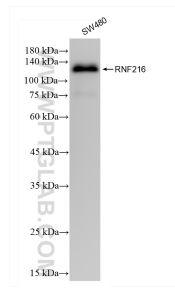
For technical support and original validation data for this product please contact:

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

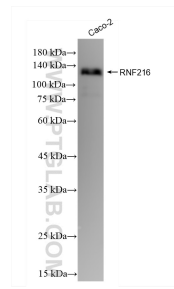
E: proteintech@ptglab.com
W: ptglab.com

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

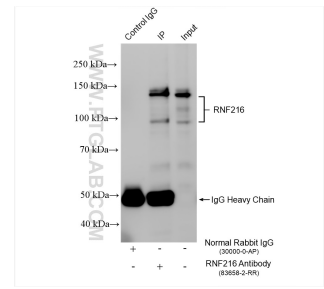
Selected Validation Data



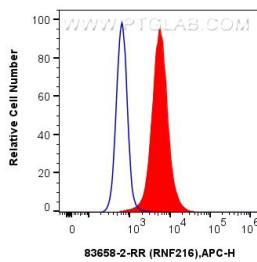
SW480 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



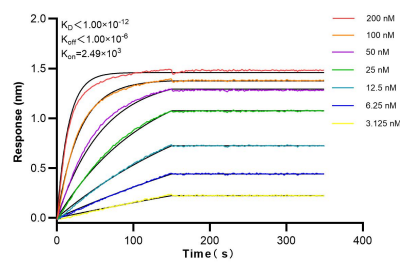
Caco-2 cells were subjected to SDS PAGE followed by western blot with 83658-2-RR (RNF216 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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



1×10^6 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.