

For Research Use Only

# TRAPPC4 Recombinant antibody

Catalog Number: 84119-3-RR

Featured Product



## Basic Information

Catalog Number:

84119-3-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2737

GenBank Accession Number:

BC010866

GeneID (NCBI):

51399

UNIPROT ID:

Q9Y296

Full Name:

trafficking protein particle complex 4

Calculated MW:

219 aa, 24 kDa

Observed MW:

24 kDa

Purification Method:

Protein A purification

CloneNo.:

241158C11

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, IP, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HCT 116 cells, MCF-7 cells, HL-60 cells, RAW 264.7 cells, mouse testis tissue, rat testis tissue

IP : HL-60 cells,

## Background Information

Transport protein particle (TRAPP, also known as trafficking protein particle), a multimeric guanine nucleotide-exchange factor, regulates multiple membrane trafficking pathways (PMID: 20966969). TRAPPC4, also known as synbindin, is a core component of the TRAPP complexes and one of the essential subunits for guanine nucleotide exchange factor activity for Rab1 GTPase (PMID: 31794024). Deficiencies in vesicular transport mediated by TRAPPC4 have been associated with severe syndromic intellectual disability (PMID: 31794024).

## 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

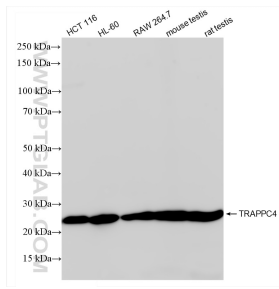
For technical support and original validation data for this product please contact:

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

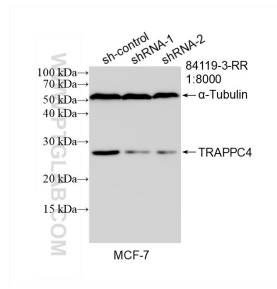
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

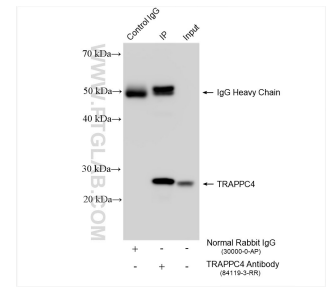
## Selected Validation Data



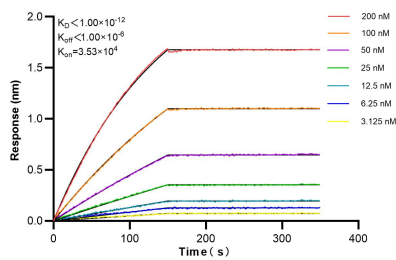
Various lysates were subjected to SDS PAGE followed by western blot with 84119-3-RR (TRAPPC4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of TRAPPC4 antibody (84119-3-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRAPPC4 transfected MCF-7 cells.



IP result of anti-TRAPPC4 (IP:84119-3-RR, 4ug; Detection:84119-3-RR 1:3000) with HL-60 cells lysate 2240 ug.



Biolayer interferometry (BLI) kinetic assays of 84119-3-RR against Human TRAPPC4 were performed. The affinity constant is below 1 pM.