TRAPPC4 Recombinant antibody

Catalog Number:84119-3-RR

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Basic Information

Catalog Number:
84119-3-RR

Size:
1000 μg/ml

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, 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℃. 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
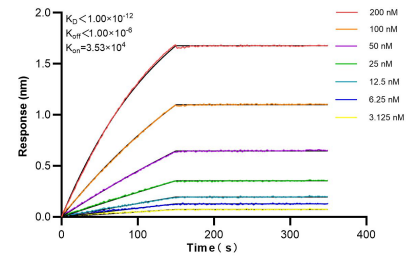
Selected Validation Data
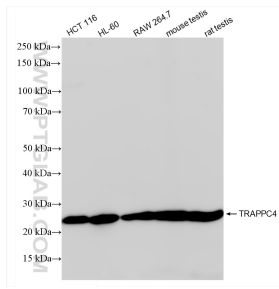
Various lysates were subjected to SDS PAGE followed by western blot with 84119-3-RR (TRAPPC4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.
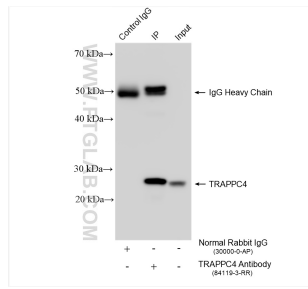
IP result of anti-TRAPPC4 (IP:84119-3-RR, 4ug; Detection:84119-3-RR 1:3000) with HL-60 cells lysate 2240 ug.

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