

For Research Use Only

TRAPPC4 Polyclonal antibody

Catalog Number: 12074-1-AP

Featured Product



Basic Information

Catalog Number:

12074-1-AP

Concentration:

300 ug/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:

24-27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HL-60 cells, MCF-7 cells, mouse testis tissue, rat testis tissue

IP : HL-60 cells,

IHC : human colon cancer tissue,

IF/ICC : HeLa 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

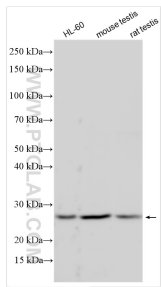
T: 4006900926

E: Proteintech-CN@ptglab.com

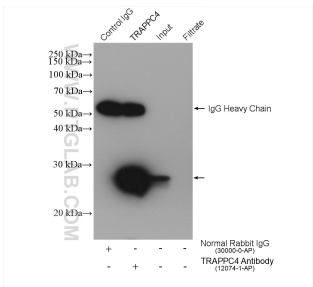
W: ptgcn.com

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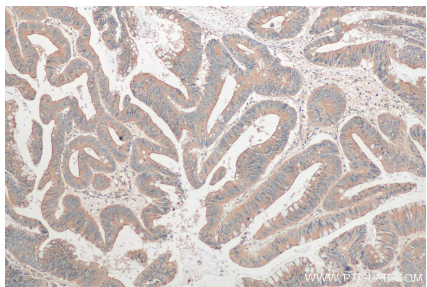
Selected Validation Data



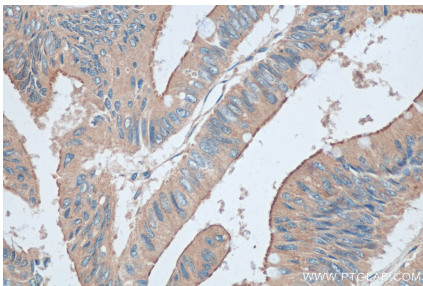
Various lysates were subjected to SDS PAGE followed by western blot with 12074-1-AP (TRAPPC4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



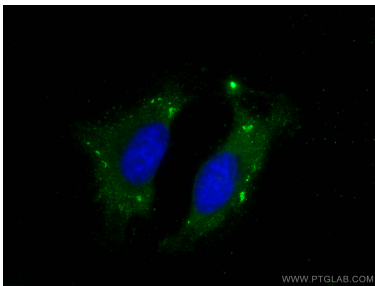
IP result of anti-TRAPPC4 (IP:12074-1-AP, 4ug; Detection:12074-1-AP 1:800) with HL-60 cells lysate 1720 ug.



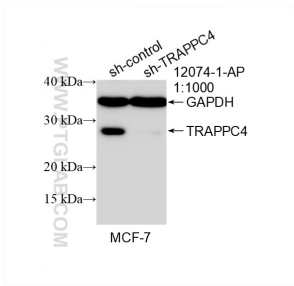
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12074-1-AP (TRAPPC4 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12074-1-AP (TRAPPC4 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TRAPPC4 antibody (12074-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of TRAPPC4 antibody (12074-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRAPPC4 transfected MCF-7 cells.