

For Research Use Only

TRAPPC3 Polyclonal antibody

Catalog Number: 15555-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

15555-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7924

GenBank Accession Number:

BC007662

GeneID (NCBI):

27095

UNIPROT ID:

O43617

Full Name:

trafficking protein particle complex 3

Calculated MW:

20 kDa

Observed MW:

20-22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse liver tissue, PC-3 cells, HEK-293 cells, mouse small intestine tissue

IP : mouse liver tissue,

IHC : human placenta tissue,

IF/ICC : HeLa cells,

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

Background Information

TRAPPC3 (trafficking protein particle complex 3, also known as Bet3) is a component of TRAPP, a complex involved in the tethering of transport vesicles to the cis-Golgi membrane. There are three TRAPP complexes identified in yeast with distinct roles: TRAPPI in ER-Golgi traffic, TRAPPII in intra-Golgi and endosome-Golgi traffic, and TRAPPIII in autophagy. Recently it has been proposed that at least two complexes exist in mammals. TRAPPC3 is the most conserved subunit of TRAPP and has been used to precipitate the intact tethering complex both from yeast and from human cells. It has also been reported that TRAPPC3 is required for Rabin8 centrosome trafficking and ciliogenesis. Expressed ubiquitously, TRAPPC3 protein is present in both membrane-bound and cytosolic forms. This antibody recognizes the endogenous 20-22 kDa TRAPPC3 in multiple cell lines. (15728249, 21273506, 23394947)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|------------------------------|-------------|
| Yalan Lu | 35697692 | Signal Transduct Target Ther | WB |
| Adrian Cuenca | 31467083 | J Biol Chem | WB |
| Stefan Weinberger | 39772267 | Viruses | WB |

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:

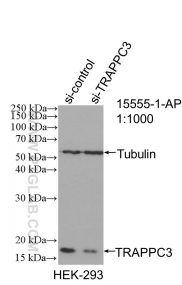
T: 4006900926

E: Proteintech-CN@ptglab.com

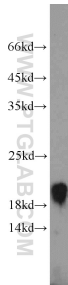
W: ptgcn.com

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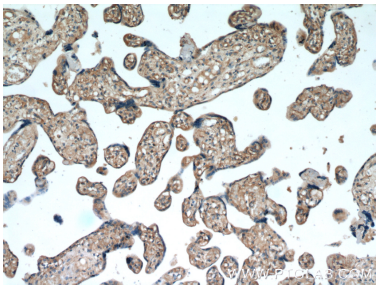
Selected Validation Data



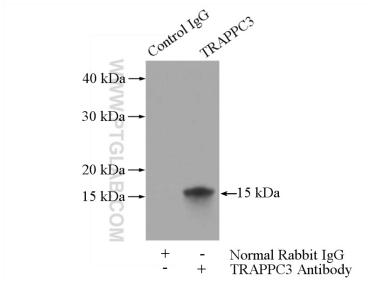
WB result of TRAPPC3 antibody (15555-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRAPPC3 transfected HEK-293 cells.



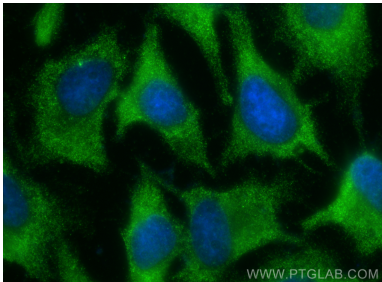
mouse liver tissue were subjected to SDS PAGE followed by western blot with 15555-1-AP (TRAPPC3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta using 15555-1-AP (TRAPPC3 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-TRAPPC3 (IP:15555-1-AP, 3ug; Detection:15555-1-AP 1:800) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TRAPPC3 antibody (15555-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).