

For Research Use Only

# TRAPPC10 Polyclonal antibody

Catalog Number: 27549-1-AP



## Basic Information

**Catalog Number:**

27549-1-AP

**Size:**

130 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG26900

**GenBank Accession Number:**

BC101728

**GeneID (NCBI):**

7109

**UNIPROT ID:**

P48553

**Full Name:**

trafficking protein particle complex

10

**Calculated MW:**

1259 aa, 142 kDa

**Observed MW:**

142 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IP 0.5-4.0 µg for 1.0-3.0 mg of total

protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IP: mouse brain tissue,

IHC: rat brain tissue, mouse brain tissue

**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

TRAPPC10 (Trafficking protein particle complex subunit 10) is also named as EHOC-1, Protein GT334, TRAPP subunit TMEM1 and TMEM1. TRAPPC10 (Cyclin-J) belongs to the Cyclin family. TRAPPC10 is a specific component of the multisubunit TRAPP II complex (PMID: 23511850). TRAPPC10 can interact with TRAPPC14 (PMID: 31467083). TRAPPC10 interacts with TRAPPC2L in the TRAPP II complex (PMID: 30120216). TRAPPC10 variants are associated with a microcephalic neurodevelopmental disorder (PMID: 35298461). A new Longin at the N-terminus of human TRAPPC10 may dimerize with TRAPPC2 (PMID: 23511850). Therefore, a band with a high molecular weight of 150-250 kDa can be formed.

## 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:

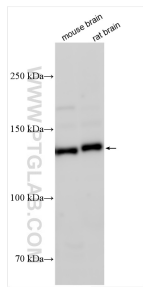
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

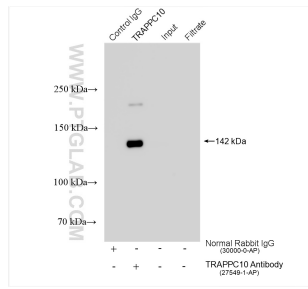
W: [ptgcn.com](http://ptgcn.com)

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

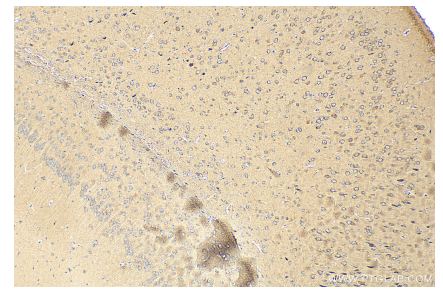
## Selected Validation Data



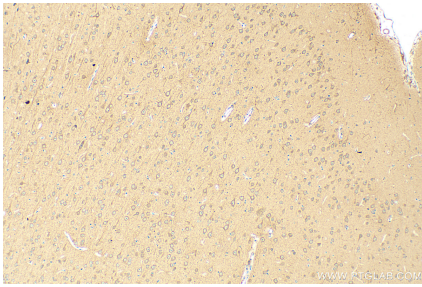
Various lysates were subjected to SDS PAGE followed by western blot with 27549-1-AP (TRAPPC10 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-TRAPPC10 (IP:27549-1-AP, 4ug; Detection:27549-1-AP 1:600) with mouse brain tissue lysate 1080 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27549-1-AP (TRAPPC10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 27549-1-AP (TRAPPC10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).