

For Research Use Only

# TRAPPC10 Polyclonal antibody

Catalog Number: 27549-1-AP



## Basic Information

<b>Catalog Number:</b> 27549-1-AP	<b>GenBank Accession Number:</b> BC101728	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 130 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7109	<b>Recommended Dilutions:</b> IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P48553	
<b>Isotype:</b> IgG	<b>Full Name:</b> trafficking protein particle complex 10	
<b>Immunogen Catalog Number:</b> AG26900	<b>Calculated MW:</b> 1259 aa, 142 kDa	
	<b>Observed MW:</b> 142 kDa	

## Applications

### Tested Applications:

IHC, 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:

IP: mouse brain tissue,

IHC: rat brain tissue, mouse brain tissue

## 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

\*\*\* 20ul sizes contain 0.1% BSA

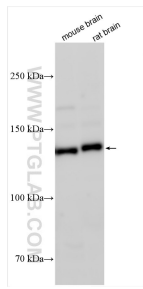
For technical support and original validation data for this product please contact:

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

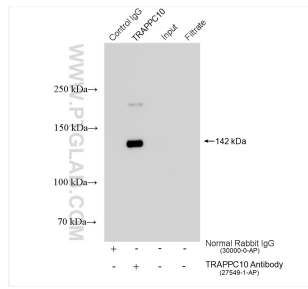
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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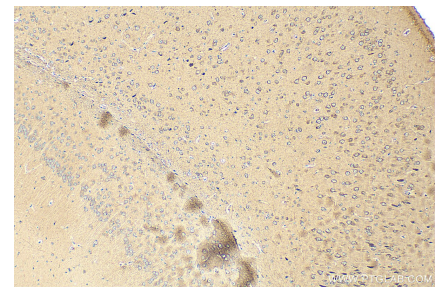
## Selected Validation Data



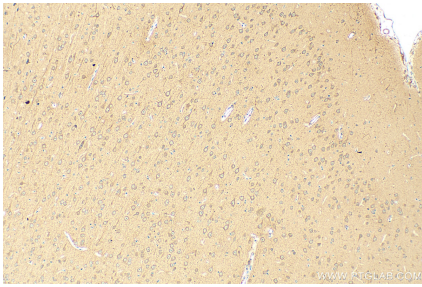
Various lysates were subjected to SDS PAGE followed by western blot with 27549-1-AP (TRAPPC10 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).