

For Research Use Only

# Peripherin Polyclonal antibody

Catalog Number:17399-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 17399-1-AP	<b>GenBank Accession Number:</b> BC032703	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5630	<b>Recommended Dilutions:</b> WB 1:20000-1:100000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P41219	IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> peripherin	IF-P 1:50-1:500
<b>Immunogen Catalog Number:</b> AG11365	<b>Calculated MW:</b> 470 aa, 54 kDa	
	<b>Observed MW:</b> 54-60 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, FC (Intra), ELISA

**Cited Applications:**  
IF

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
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 :** mouse colon tissue, COLO 320 cells, human colon tissue, rat colon tissue, rat spinal cord tissue

**IHC :** mouse brain tissue, human colon tissue, human brain tissue, rat brain tissue

**IF-P :** human colon tissue,

## Background Information

Peripherin is a neuron-specific intermediate filament protein that is particularly expressed in peripheral nervous system. It is used to study peripheral nerve development and regeneration, as it is highly expressed during elongation of axon. Peripherin is a routine marker for unmyelinated neurons in trigeminal ganglion (TG) and the dorsal root ganglion (DRG). Peripherin is also expressed in peri-insular areas of islets and it has been identified as a key autoantigen for type 1A diabetes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xia Xiao	28298178	Biotechniques	IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
Aliquoting is unnecessary for -20°C storage

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

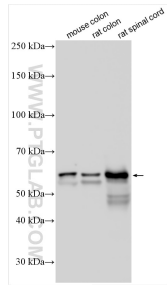
For technical support and original validation data for this product please contact:

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

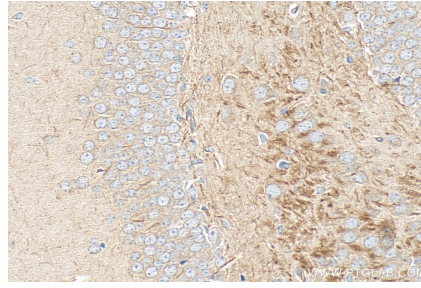
E: proteintech@ptglab.com  
W: ptglab.com

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

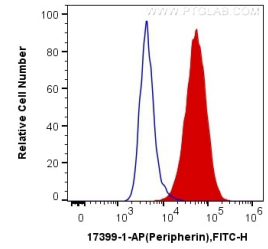
## Selected Validation Data



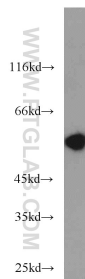
Various lysates were subjected to SDS PAGE followed by western blot with 17399-1-AP (Peripherin antibody) at dilution of 1:120000 incubated at room temperature for 1.5 hours.



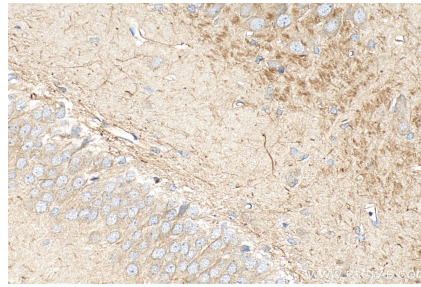
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17399-1-AP (Peripherin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



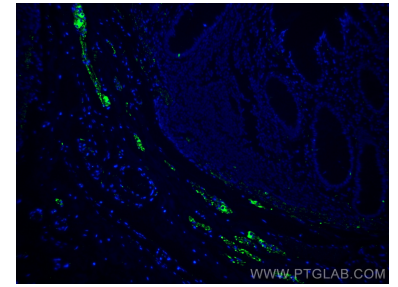
$1 \times 10^6$  PC-12 cells were intracellularly stained with 0.4 ug Anti-Human Peripherin (17399-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



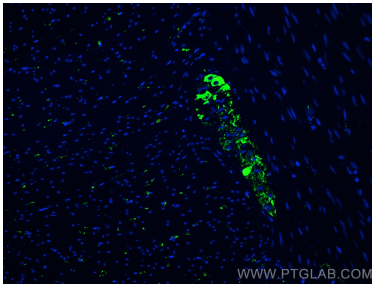
mouse colon tissue were subjected to SDS PAGE followed by western blot with 17399-1-AP (PRPH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 17399-1-AP (Peripherin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using Peripherin antibody (17399-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon tissue using Peripherin antibody (17399-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).