

For Research Use Only

Peripherin Polyclonal antibody

Catalog Number: 17399-1-AP

1 Publications



Basic Information

Catalog Number:

17399-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11365

GenBank Accession Number:

BC032703

GeneID (NCBI):

5630

UNIPROT ID:

P41219

Full Name:

peripherin

Calculated MW:

470 aa, 54 kDa

Observed MW:

54-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:20000-1:100000

IHC: 1:50-1:500

IF-P: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

FC: 0.40 ug per 10⁶ cells in a 100 µl suspension

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,

FC (Intra): PC-12 cells,

FC: PC-12 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

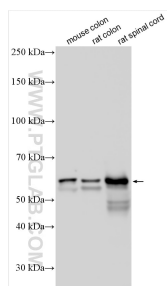
For technical support and original validation data for this product please contact:

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

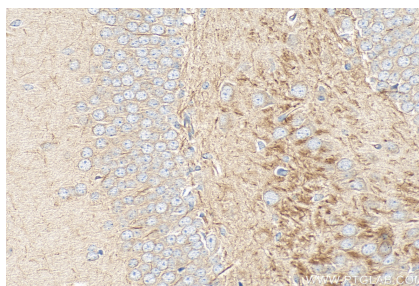
E: proteintech@ptglab.com
W: ptglab.com

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

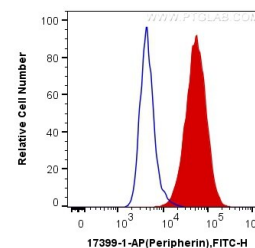
Selected Validation Data



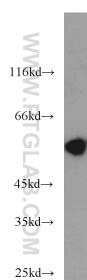
Various lysates were subjected to SDS PAGE followed by western blot with 17399-1-AP (Peripheralin antibody) at dilution of 1:120000 incubated at room temperature for 1.5 hours.



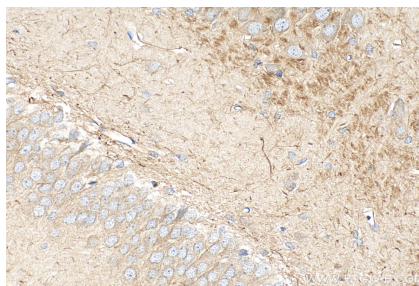
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17399-1-AP (Peripheralin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



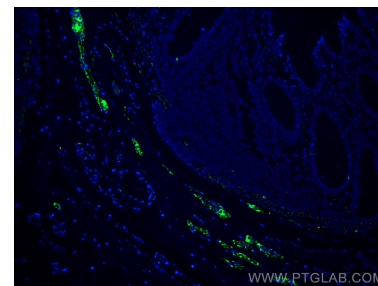
1X10⁶ PC-12 cells were intracellularly stained with 0.4 ug Anti-Human Peripheralin (17399-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



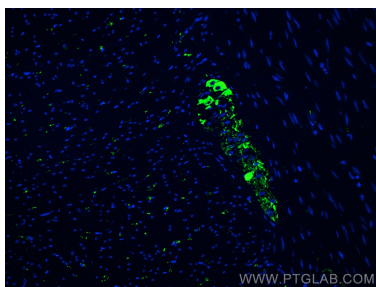
mouse colon tissue were subjected to SDS PAGE followed by western blot with 17399-1-AP (PRPH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 17399-1-AP (Peripheralin 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 Peripheralin 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 Peripheralin 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).