

For Research Use Only

# Peripherin Monoclonal antibody

Catalog Number: 66317-1-Ig



## Basic Information

Catalog Number:

66317-1-Ig

GenBank Accession Number:

BC032703

Purification Method:

Protein A purification

Size:

150ul, Concentration: 1600 ug/ml by 5630

GeneID (NCBI):

5630

CloneNo.:

1H10B3

Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

UNIPROT ID:

P41219

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:20-1:200

Source:

Mouse

Full Name:

peripherin

Isotype:

IgG2b

Calculated MW:

470 aa, 54 kDa

Immunogen Catalog Number:

AG11116

Observed MW:

50-54 kDa

## Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Species Specificity:

human, rat, pig

**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 : IMR-32 cells, human colon tissue, rat brain tissue, rat colon tissue, mouse colon tissue, rat spinal cord tissue

IHC : human brain tissue, human colon tissue

## 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

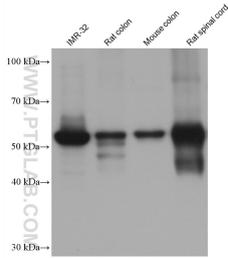
For technical support and original validation data for this product please contact:

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

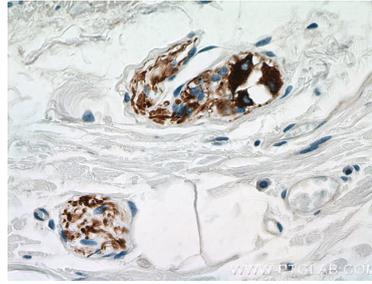
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

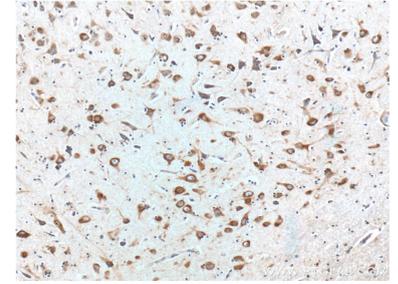
## Selected Validation Data



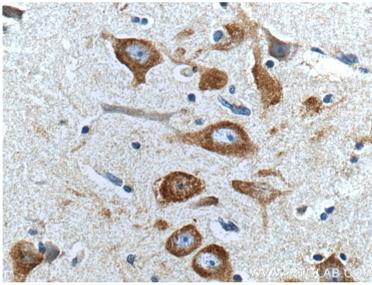
Various lysates were subjected to SDS PAGE followed by western blot with 66317-1-Ig (Peripherin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



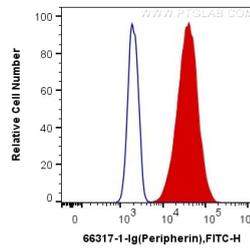
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66317-1-Ig (Peripherin Antibody) at dilution of 1:1000 (under 40x lens).



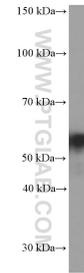
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66317-1-Ig (Peripherin antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 66317-1-Ig (Peripherin antibody) at dilution of 1:100 (under 40x lens).



$1 \times 10^6$  PC-12 cells were intracellularly stained with 0.4 ug Anti-Human Peripherin (66317-1-Ig, Clone:1H10B3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse 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).



rat brain tissue were subjected to SDS PAGE followed by western blot with 66317-1-Ig (Peripherin Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.