

Rabbit Anti-Peripherin antibody

SL42004R

Product Name Peripherin

Chinese Name 外周蛋白抗体

Alias NEF 4; NEF4; NEF-4; Neurofilament 4; PRPH; PRPH1; PRPH 1; NEF 4; Neurofilament 4 (57kD); Perf; PERI_HUMAN.

Research Area immunology Neurobiology Signal transduction Cell adhesion molecule

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human,Mouse,Rat

WB=1:500-2000,IHC-P=1:400-800,IHC-F=1:400-800,IF=1:100-500,ELISA=1:5000-10000
(Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 54kDa

Form Liquid

Concentration 1mg/ml

immunogen Recombinant human Peripherin protein: 1-470/470

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed [PubMed](#)

Product Detail This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein that the peripherin found in

photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq].

SWISS:
P41219

Gene ID:
5630

Database links:

[Entrez Gene: 5630](#) Human

[Entrez Gene: 19132](#) Mouse

[Entrez Gene: 24688](#) Rat

[Omim: 170710](#) Human

[SwissProt: P41219](#) Human

[SwissProt: P15331](#) Mouse

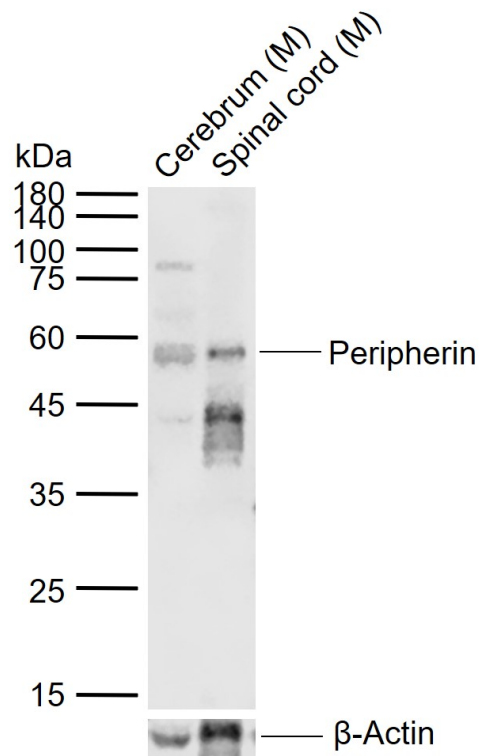
[SwissProt: P21807](#) Rat

[Unigene: 37044](#) Human

[Unigene: 2477](#) Mouse

[Unigene: 11086](#) Rat

**Product
Picture**



Sample:

Lane 1: Mouse Cerebrum tissue lysates

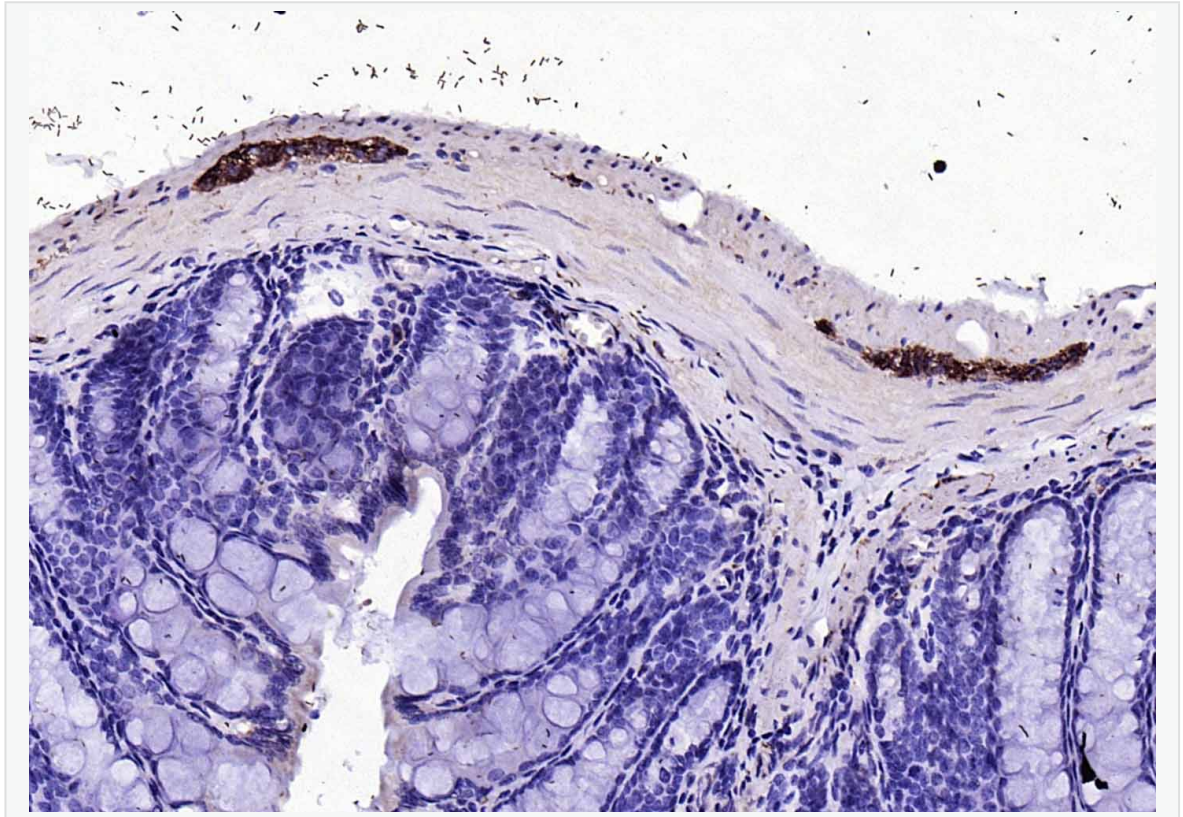
Lane 2: Mouse Spinal cord tissue lysates

Primary: Anti-Peripherin (SL42004R) at 1/1000 dilution

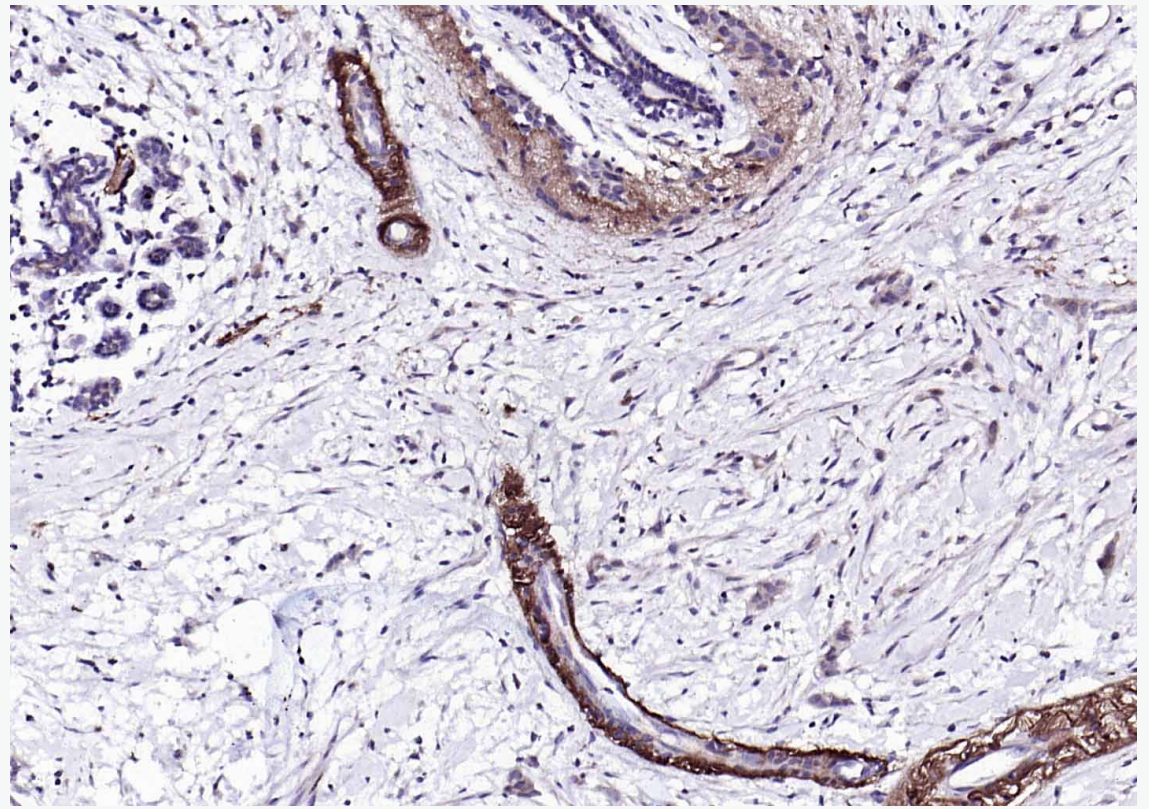
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kDa

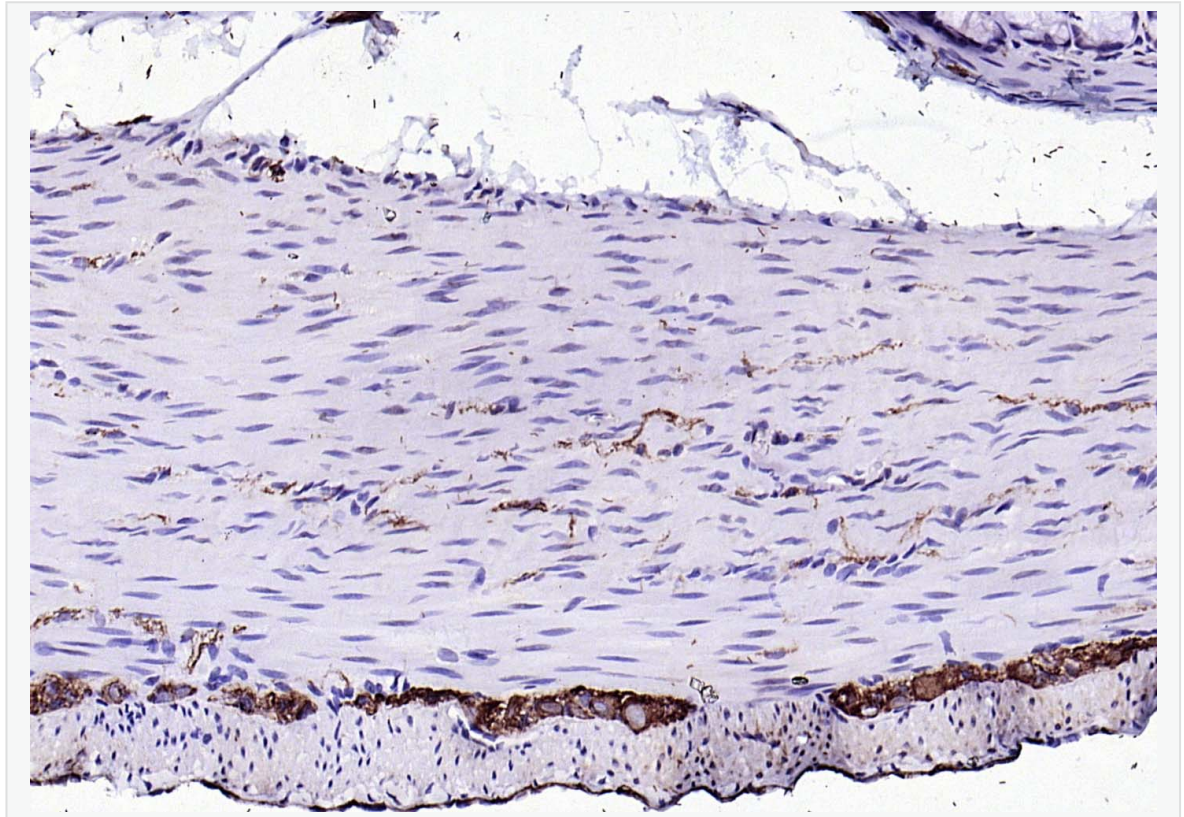
Observed band size: 58 kDa



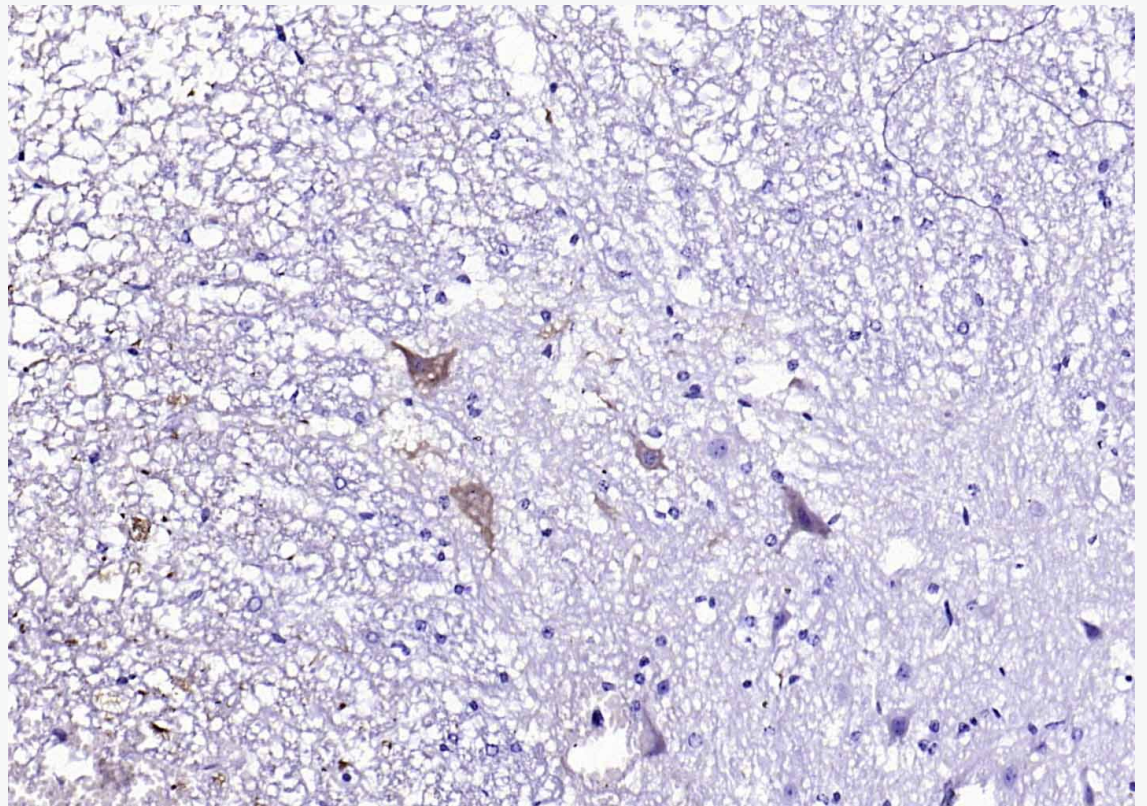
Paraformaldehyde-fixed, paraffin embedded (mouse colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



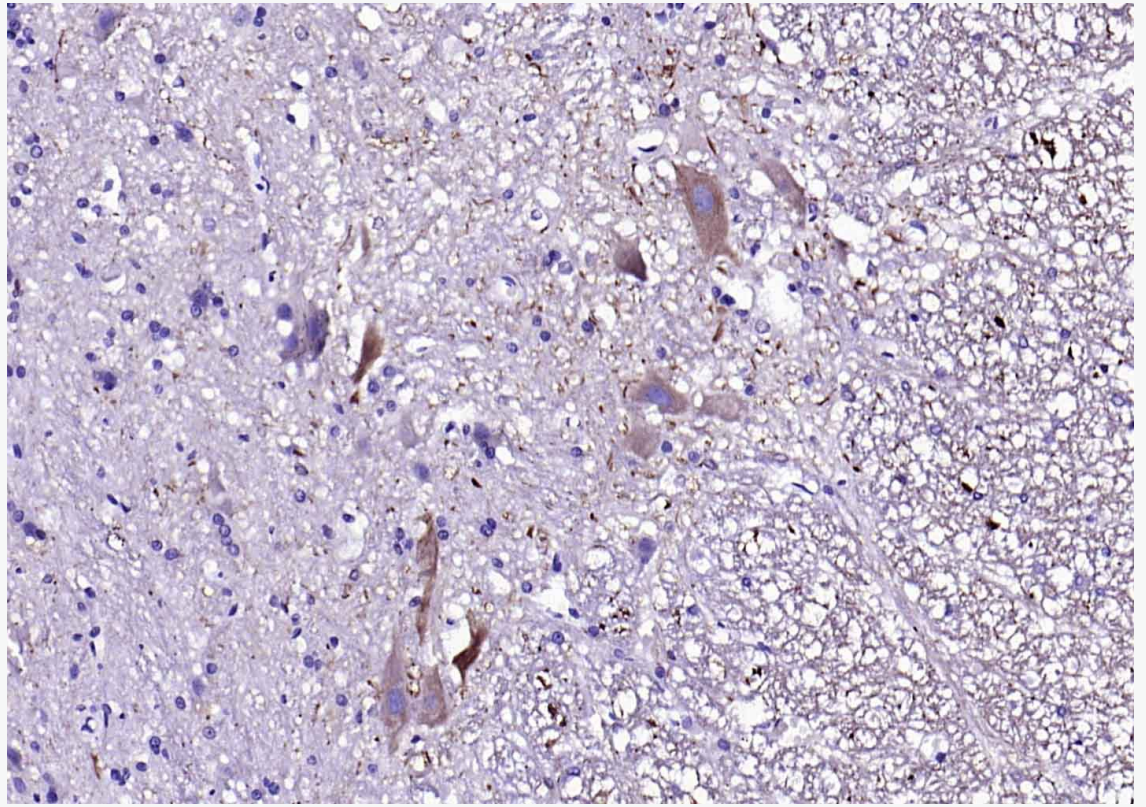
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



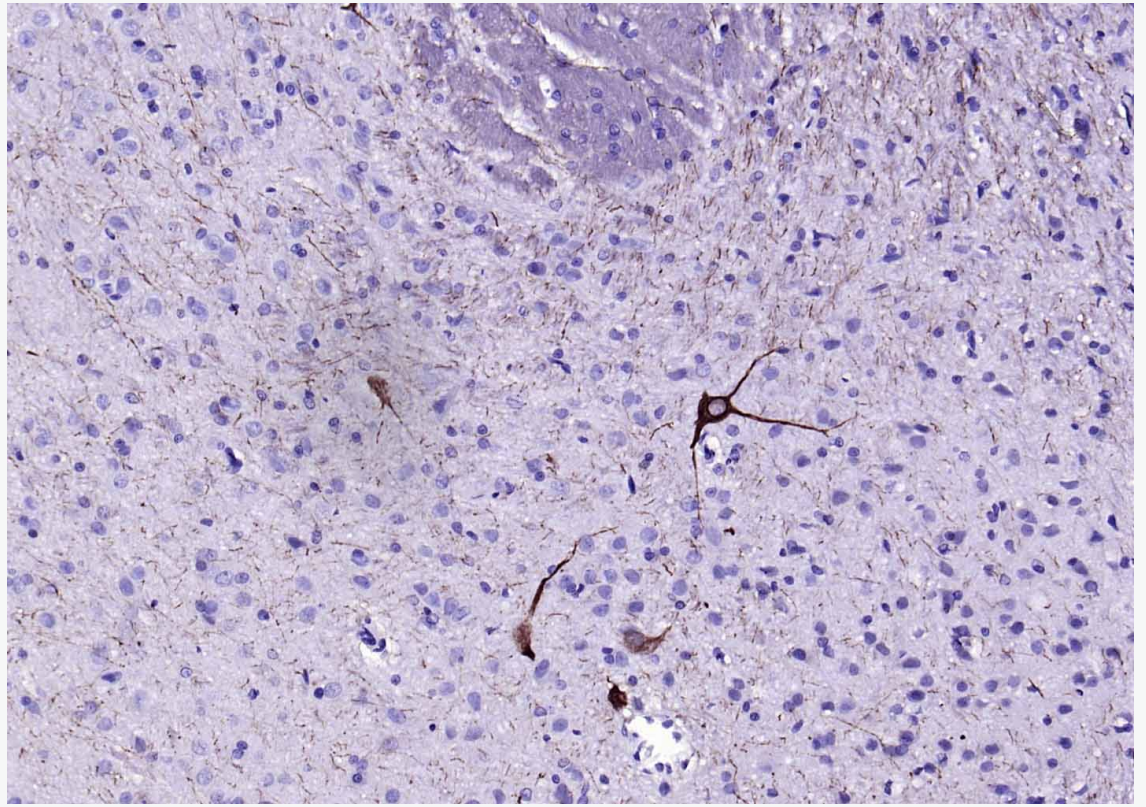
Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse spinal cord); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

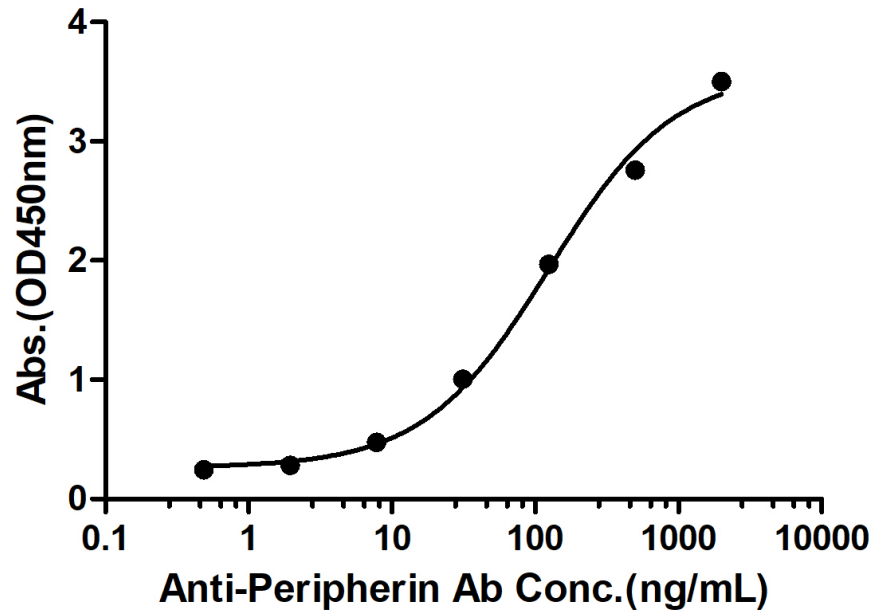


Paraformaldehyde-fixed, paraffin embedded (rat spinal cord); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peripherin) Polyclonal Antibody, Unconjugated (SL42004R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Rabbit Anti-Human Peripherin Antibody Bind with Human Peripherin protein, His Tag



Measured by its binding ability in a indirect ELISA. Immobilized Human Peripherin protein, His Tag (Cat. SL42004P) at 2 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) can bind Rabbit Anti-Human Peripherin Antibody, the EC50 is 124.3 ng/mL.