

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Neurabin 2



Numéro de catalogue: 55129-1-AP

Phare

2 Publications

## Informations de base

Numéro de catalogue:

55129-1-AP

Taille:

150ul, Concentration: 293 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM\_032595

Identification du gène (NCBI):

84687

Nom complet:

protein phosphatase 1, regulatory (inhibitor) subunit 9B

MW calculé

89 kDa

MW observés:

120-130 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:20-1:200

## Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

souris

Contrôles positifs:

WB : tissu cérébral de souris, cellules A549

IP : tissu cérébral de souris,

IHC : tissu cérébral humain,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

Neurabin 2, also named as Spinophilin, seems to act as a scaffold protein in multiple signaling pathways. It modulates excitatory synaptic transmission and dendritic spine morphology. PPP1R9B binds to actin filaments (F-actin) and shows cross-linking activity. It may play an important role in linking the actin cytoskeleton to the plasma membrane at the synaptic junction. PPP1R9B plays a role in regulation of G-protein coupled receptor signaling, including D2Rs and alpha-adrenergic receptors. PPP1R9B probably regulates p70 S6 kinase activity by forming a complex with TIAM. The antibody is specific to PPP1R9B. The predicted molecular weight of spinophilin is 89 kDa, which differs significantly from the apparent MW seen in SDS/PAGE. Both the expressed full-length cDNA and the endogenous protein run at 120-130 kDa. This may be due to an extended conformation and/or low SDS binding capacity. (PMID: 28941770, PMID: 9275233).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Min Wu	35224156	Genes Dis	WB
Chong Wang	24820113	Toxicology	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

NaHCO<sub>3</sub> 0,1 M, glycine 0,1 M, azoture de sodium à 0,02 % et glycérol à 50 %, pH 7,3.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

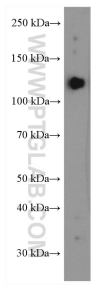
For technical support and original validation data for this product please contact:

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

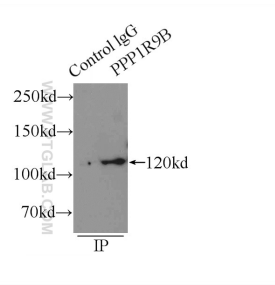
E: proteintech@ptglab.com  
W: ptglab.com

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

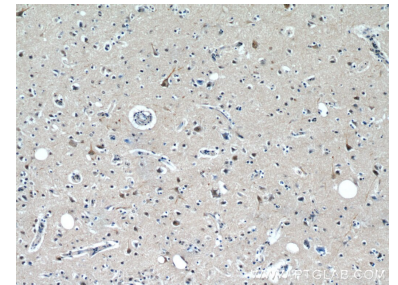
## Données de validation sélectionnées



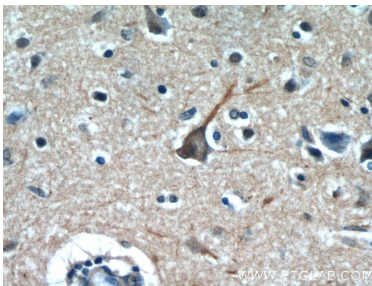
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55129-1-AP (Neurabin 2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



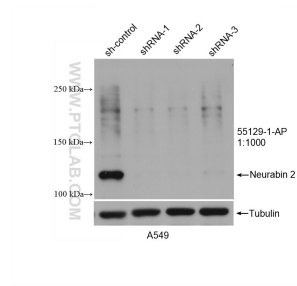
IP Result of anti-Neurabin 2 (IP:55129-1-AP, 4ug; Detection:55129-1-AP 1:300) with mouse brain tissue lysate 6000ug.



Immunohistochemical analysis of paraffin-embedded human brain using 55129-1-AP (Neurabin 2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 55129-1-AP (Neurabin 2 antibody) at dilution of 1:50 (under 40x lens).



WB result of PPP1R9B antibody (55129-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Neurabin 2 transfected A549 cells.