

For Research Use Only

# NPTX2 Monoclonal antibody

Catalog Number: 68709-1-Ig



## Basic Information

Catalog Number:

68709-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33808

GenBank Accession Number:

BC009924

GeneID (NCBI):

4885

UNIPROT ID:

P47972

Full Name:

neuronal pentraxin II

Calculated MW:

47 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

2H8D8

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat, pig, rabbit

Positive Controls:

WB : pig pituitary gland tissue, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

IF/ICC : SH-SY5Y cells,

## Background Information

Neuronal pentraxins constitute a family of proteins that are homologous to C-reactive protein (CRP) and serum amyloid P component (SAP), including NPTX1, NPTX2, and the neuronal pentraxin receptor (NPTXR). NPTX2, also known as NARP (neuronal activity-regulated pentaxin), is a secreted protein involved in excitatory synapse formation. It also plays a role in the clustering of alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA)-type glutamate receptors at established synapses, resulting in non-apoptotic cell death of dopaminergic nerve cells. NPTX2 is highly up-regulated in Parkinson's disease (PD), suggesting it may be involved in the pathology of PD. (PMID: 12895424; 17987278; 10748068)

## 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

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

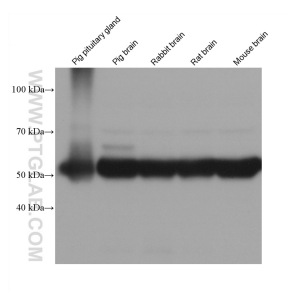
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

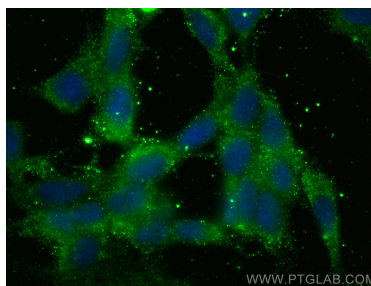
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68709-1-Ig (NPTX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using NPTX2 antibody (68709-1-Ig, Clone: 2H8D8 ) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).