

## NPTX2 Polyclonal Antibody

Catalog number: 10889-1-AP

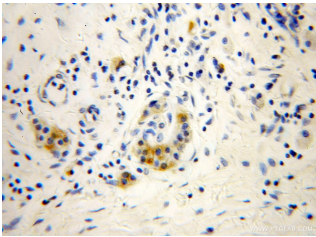
Size: 20 µg/150 µl

Source: Rabbit

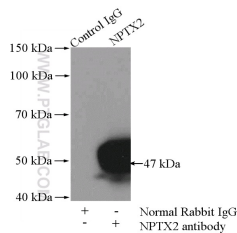
Isotype: IgG

Synonyms:

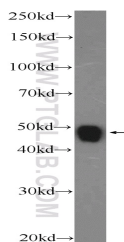
NPTX2; NARP, Neuronal pentraxin 2, neuronal pentraxin II, NPTX2



Immunohistochemical of paraffin-embedded human pancreas cancer using 10889-1-AP (NPTX2 antibody) at dilution of 1:100 (under 40x lens)



IP Result of anti-NPTX2 (IP:10889-1-AP, 4µg; Detection:10889-1-AP 1:600) with mouse brain tissue lysate 4000µg.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10889-1-AP (NPTX2 Antibody) at dilution of 1:600

### Background

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 secreted protein involved in excitatory synapse formation. It also plays a role in 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 the Parkinson's disease (PD), suggesting it may be involved in the pathology of PD. (PMID: 12895424; 17987278; 10748068)

### Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	ICC, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated NPTX2 MW:	47 kDa
Observed NPTX2 MW:	47 kDa
Positive WB detected in	Mouse brain tissue, PC-3 cells, SH-SY5Y cells
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1326
GenBank accession number:	BC009924
Gene ID (NCBI):	4885
Full name:	Neuronal pentraxin II

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.