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NPTX2 Rabbit pAb

Catalog # AP98944

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P47972
Other Accession	P47972
Reactivity	Mouse
Predicted	Rat, Human, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47042
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NPTX2
Epitope Specificity	165-265/431
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 pentaxin domain.
SUBUNIT	Homooligomer or heterooligomer (probably pentamer) with neuronal pentraxin receptor (NPTXR).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Long pentraxins are a family of highly conserved proteins that are expressed in the brain and central nervous system, and form multimeric complexes. Neuronal pentraxin 1 (NP1), NP2, and neuronal pentraxin receptor (NPR) are members of the long pentraxins that represent a neuronal uptake pathway that may function during synapse formation and remodeling. The NP1 gene is located on chromosome 17q25.3 and the protein product mediates the uptake of synaptic material, including the presynaptic snake venom toxin, taipoxin (3). NP2, whose function is unknown, is located on chromosome 7q22.1 and like NP1 contains several potential N-linked glycosylation sites. NPR is expressed on the cell membrane and can form heteropentamers with NP1 and NP2 that can be released from the cell membrane by proteolysis.

Additional Information

Gene ID	4885
Other Names	NARP; NP-II; NP2; NPTX2_HUMAN; NPTX2; Neuronal pentraxin II (NP-II); NPTX2_MOUSE; NPTX2_RAT; Neuronal activity-regulated pentraxin; neuronal pentraxin 2; neuronal pentraxin II; apexin
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NPTX2
Function	Likely to play role in the modification of cellular properties that underlie long-term plasticity. Binds to agar matrix in a calcium-dependent manner (By similarity).
Cellular Location	Secreted.
Tissue Location	Brain, pancreas, liver, heart and skeletal muscle. Highest levels are seen in the testis

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.