

Datasheet

NPTX2 polyclonal antibody

Catalog Number: PAB2556

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of NPTX2.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human NPTX2.

Host: Rabbit

Reactivity: Human

Applications: IHC-P, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4885

Gene Symbol: NPTX2

Gene Alias: NARP, NP-II, NP2

Gene Summary: This gene encodes a member of the family of neuronal pentraxins, synaptic proteins that are related to C-reactive protein. This protein is 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. Up-regulation of this gene in Parkinson disease (PD) tissues suggests that the protein may be involved in the pathology of PD. [provided by RefSeq]

References:

1. Quantitative analysis of NPTX2 hypermethylation is a promising molecular diagnostic marker for pancreatic cancer. Park JK, Ryu JK, Lee KH, Lee JK, Yoon WJ, Lee SH, Yoo JW, Woo SM, Lee GY, Lee CH, Kim YT, Yoon YB. *Pancreas*. 2007 Oct;35(3):e9-15.
2. No association between the neuronal pentraxin II gene polymorphism and autism. Marui T, Koishi S, Funatogawa I, Yamamoto K, Matsumoto H, Hashimoto O, Ishijima M, Nanba E, Nishida H, Sugiyama T, Kasai K, Watanabe K, Kano Y, Kato N, Sasaki T. *Prog Neuropsychopharmacol Biol Psychiatry*. 2007 May 9;31(4):940-3. Epub 2007 Mar 3.
3. Biochemical interactions of the neuronal pentraxins. Neuronal pentraxin (NP) receptor binds to taipoxin and taipoxin-associated calcium-binding protein 49 via NP1 and NP2. Kirkpatrick LL, Matzuk MM, Dodds DC, Perin MS. *J Biol Chem*. 2000 Jun 9;275(23):17786-92.