

Rabbit NPTX2 Polyclonal Antibody | anti-NPTX2 antibody

NPTX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304350	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

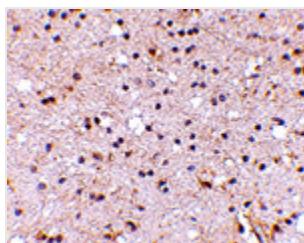
PRODUCT SYNONYMS

NPTX2; Polyclonal Antibody; NPTX2 Antibody; Neuronal pentraxin 2; NP2; NP-II; neuronal activity-regulated protein; NARP; anti-NPTX2 antibody

PRODUCT SPECIFICATIONS

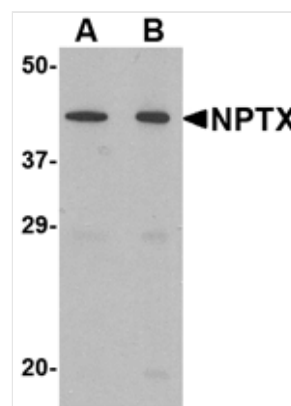
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	431
Applicable Applications for anti-NPTX2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the center of the human NPTX2.
Target Name	NPTX2
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of NPTX2 in human brain with NPTX2 antibody at 5 ug/mL.



WB (Western Blot)

Western blot analysis of NPTX2 in mouse brain tissue lysate with NPTX2 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NPTX2 antibody	Neuronal pentraxin (NPTX) 2 was initially identified as a member of the pentraxin family having high homology to NPTX1. Unlike NPTX1 however, NPTX2 is expressed in testes, pancreas, liver, heart, skeletal muscle as well as brain. NPTX2 possesses the lectin properties common to the pentraxin family, promotes neurite outgrowth, and is rapidly regulated by neuronal activity. NPTX1 and NPTX2 form heterocomplexes that contribute to both activity-independent and -dependent excitatory synaptogenesis. Recently, NPTX2 has been found to be highly upregulated in Parkinsonian substantia nigra and localizes to Lewy bodies and Lewy neurites in sporadic Parkinson's disease (PD), suggesting that it is involved in the pathway dysregulation that underlies PD. This NPTX2 antibody is predicted to be specific to NPTX2 and not recognize NPTX1.
Product Categories/Family for anti-NPTX2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	28195384
NCBI GeneID	4885
NCBI Accession #	NP_002514
NCBI GenBank Nucleotide #	NM_002523.2
Molecular Weight	47,042 Da
NCBI Official Full Name	neuronal pentraxin-2
NCBI Official Synonym Full Names	neuronal pentraxin II
NCBI Official Symbol	NPTX2
NCBI Official Synonym Symbols	NP2; NARP; NP-II
NCBI Protein Information	neuronal pentraxin-2
UniProt Protein Name	Neuronal pentraxin-2
UniProt Gene Name	NPTX2
UniProt Synonym Gene Names	NP2; NP-II
UniProt Entry Name	NPTX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nptx2-antibody-immunohistochemistry-western-blot-elisa/304350>