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anti-NPTX2 antibody (Center)

2 Images



Overview

Quantity:	0.1 mg
Target:	NPTX2
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

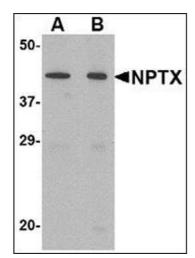
Immunogen:	NPTX2 antibody was raised against a 16 amino acid peptide near the center of the human NPTX2.
Isotype:	IgG
Specificity:	This antibody is predicted to be specific to NPTX2 and not recognize NPTX1.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	NPTX2
Alternative Name:	Neuronal Pentraxin-2 (NPTX2 Products)

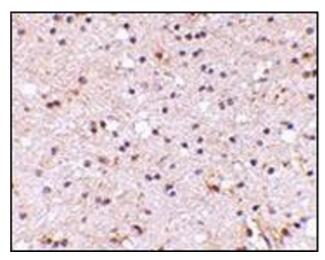
Target Details

Background:	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.Synonyms: NP2, NPTX2
Gene ID:	4885
NCBI Accession:	NP_002514
UniProt:	P47972
Application Details	
Application Notes:	ELISA. Western blot: 1 - 2 μg/mL. Immunohistochemistry on paraffin sections.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of NPTX2 in mouse brain tissue lysate with this product at (A) 0.5 and (B) 1 μ g/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of NPTX2 in human brain with this product at $5 \, \mu g/ml$.