NPTX2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NPTX2, Polyclonal Antibody
Full Product Name	NPTX2
Product Gene Name	anti-NPTX2 antibody
Product Synonym Names	NARP; NP-II; NP2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity purification
Preparation and Storage	Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	47kDa
OMIM	600750
3D Structure	ModBase 3D Structure for P47972
Immunogen	Recombinant protein of human NPTX2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NPTX2 antibody	Western Blot (WB)
Application Notes for anti-NPTX2 antibody	WB: 1:500-1:2000
Related Product Information for anti-NPTX2 antibody	This gene encodes a member of the family of neuronal petraxins, 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.
Other Notes	Small volumes of anti-NPTX2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NPTX2 purchase	MBS8535517 is an antibody targeting NPTX2. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NPTX2. It may not necessarily be applicable to this product.

NCBI GI #	28195384
NCBI GeneID	4885
NCBI Accession #	NP_002514.1

UniProt Primary Accession #	P47972
UniProt Secondary Accession #	Q86XV7; Q96G70; A4D267
UniProt Related Accession #	P47972
GenBank Nucleotide #	NM_002523.2
NCBI Official Full Name	neuronal pentraxin-2
NCBI Official Synonym Full Names	neuronal pentraxin 2
NCBI Official Symbol	NPTX2
NCBI Official Synonym Symbols	NP2; NARP; NP-II
UniProt Protein Name	Neuronal pentraxin-2
UniProt Synonym Protein Names	Neuronal pentraxin II; NP-II
Protein Family	Neuronal pentraxin
UniProt Gene Name	NPTX2
UniProt Synonym Gene Names	NP2; NP-II
NCBI Protein Information	neuronal pentraxin-2
UniProt Comments for NPTX2	Likely to play role in the modification of cellular properties that underlie long-term plasticity. Binds to agar matrix in a calcium-dependent manner ().
Research Articles on NPTX2	**1.** Neuronal pentraxin 2 predicts medial temporal atrophy and memory decline across the Alzheimer's disease spectrum. This research may advance the current understanding of Alzheimer's disease etiopathogenesis, while expanding early diagnostic techniques through the use of novel pro-inflammatory biomarkers, such as NPTX2.
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