

**Phospho-NPTX1(Y344) Antibody Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP3557a****Specification**

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**Phospho-NPTX1(Y344) Antibody Blocking peptide - Product Information**Primary Accession [P47971](#)**Phospho-NPTX1(Y344) Antibody Blocking peptide - Additional Information****Gene ID** 266777**Other Names**

Neuronal pentraxin-1, NP1, 47 kDa taipoxin-binding protein, Neuronal pentraxin I, NP-I, Nptx1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP3557a](/products/AP3557a) was selected from the region of human Phospho-NPTX1-pY344. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Phospho-NPTX1(Y344) Antibody Blocking peptide - Protein Information****Name** Nptx1**Function**

May be involved in mediating uptake of synaptic material during synapse remodeling or in mediating the synaptic clustering of AMPA glutamate receptors at a subset of excitatory synapses.

**Cellular Location**

Secreted {ECO:0000250|UniProtKB:Q15818}. Cytoplasmic vesicle, secretory vesicle. Endoplasmic reticulum

**Tissue Location**

Cerebellum, hippocampus and cerebral cortex.

**Phospho-NPTX1(Y344) Antibody Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**Phospho-NPTX1(Y344) Antibody Blocking peptide - Images****Phospho-NPTX1(Y344) Antibody Blocking peptide - Background**

NPTX1 is a member of the neuronal pentraxin family. Human neuronal pentraxin 1 is similar to the rat NP1, a binding protein for the snake venom toxin taipoxin.

**Phospho-NPTX1(Y344) Antibody Blocking peptide - References**

Hossain,M.A., J. Neurosci. 24 (17), 4187-4196 (2004)Schlimgen,A.K., Neuron 14 (3), 519-526 (1995)