

# NPTX1-Y344 Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7272d

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q15818</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB15369
<b>Calculated MW</b>	47122
<b>Antigen Region</b>	322-350

## Additional Information

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<b>Gene ID</b>	4884
<b>Other Names</b>	Neuronal pentraxin-1, NP1, Neuronal pentraxin I, NP-I, NPTX1
<b>Target/Specificity</b>	This NPTX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-350 amino acids from human NPTX1.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	NPTX1-Y344 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NPTX1
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted. Cytoplasmic vesicle, secretory vesicle

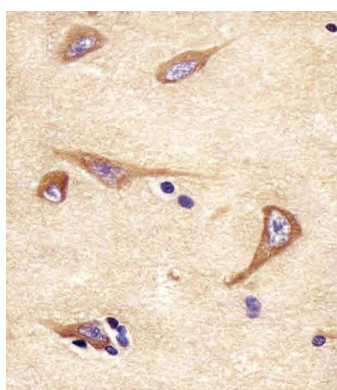
## Background

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

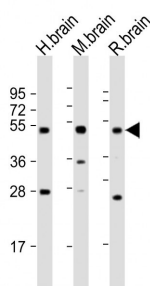
## References

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

## Images



AP7272d staining NPTX1 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-NPTX1Y344 Antibody at 1:2000 dilution  
Lane 1: human brain lysate Lane 2: mouse brain lysate  
Lane 3: rat brain lysate Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.