10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

NPTX1-Y344 Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7272d

Specification

NPTX1-Y344 Antibody - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q15818
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**322-350**

NPTX1-Y344 Antibody - Additional Information

Gene ID 4884

Other Names
Neuronal pentraxin-1, NP1, Neuronal pentraxin I, NP-I, NPTX1

Target/Specificity
This NPTX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-350 amino acids from human NPTX1.

Dilution
WB~~1:2000
IHC-P~~1:25

Format
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.

Storage
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.

Precautions
NPTX1-Y344 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NPTX1-Y344 Antibody - 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.

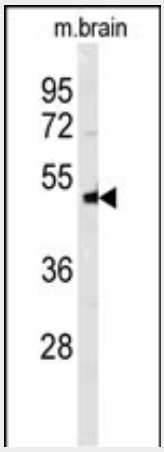
Cellular Location
Secreted. Cytoplasmic vesicle, secretory vesicle {ECO:0000269|PubMed:34788392, ECO:0000305}. Endoplasmic reticulum {ECO:0000269|PubMed:34788392, ECO:0000305}

NPTX1-Y344 Antibody - Protocols

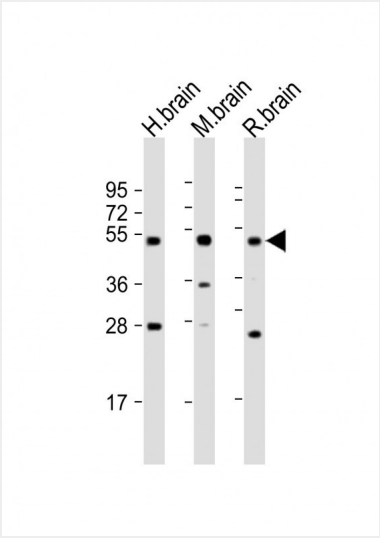
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NPTX1-Y344 Antibody - Images



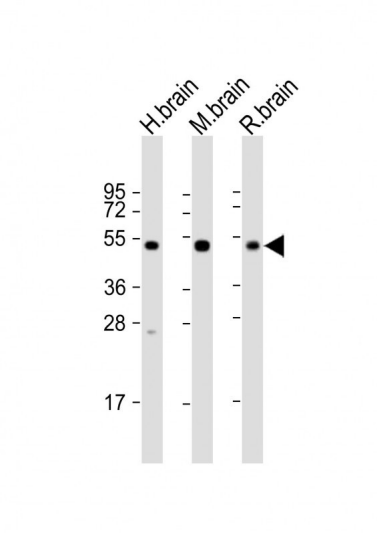
Western blot analysis of NPTX1-Y344 (Cat. #AP7272d) in mouse brain tissue lysates (35ug/lane).NPTX1 (arrow) was detected using the purified Pab.



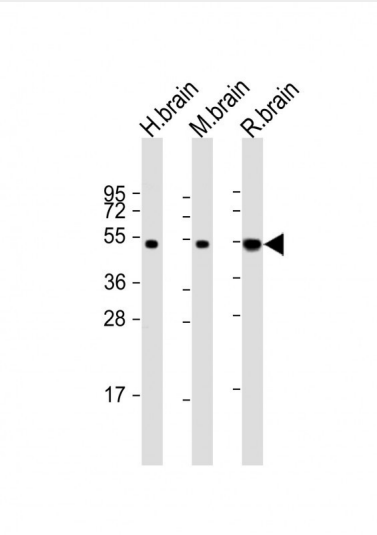
All lanes : Anti-NPTX1Y344 Antibody at 1:2000 dilution Lane 1: human brain lysate Lane 2: mouse

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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.

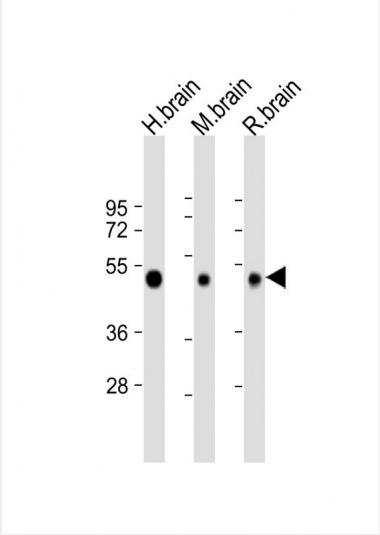


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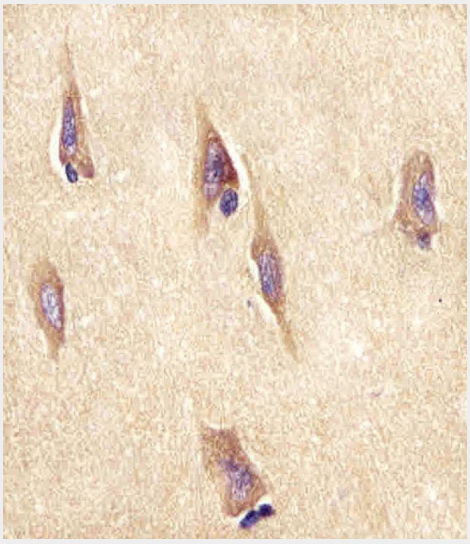


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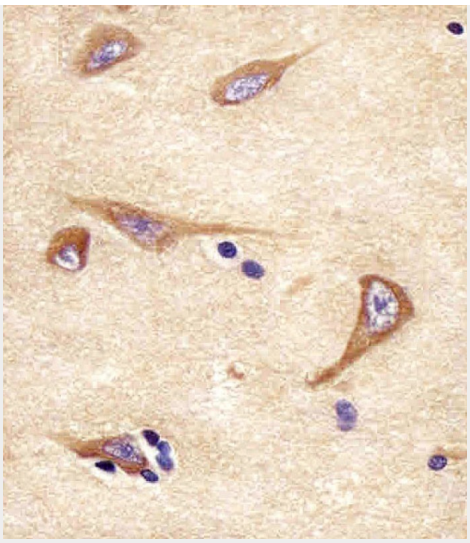


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AP7272d staining NPTX1 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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NPTX1-Y344 Antibody - 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.

NPTX1-Y344 Antibody - References

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