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NPTX1-Y344 Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7272d

Product Information

Application	WB, IHC-P, E
Primary Accession	Q15818
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15369
Calculated MW	47122
Antigen Region	322-350

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~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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.

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}

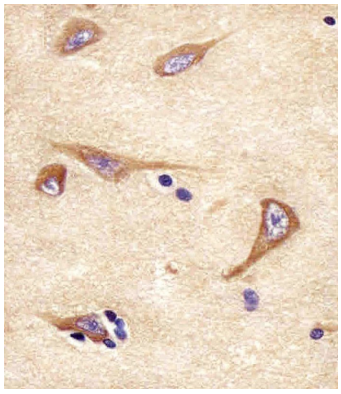
Background

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.

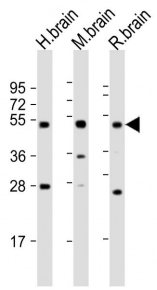
References

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 hours 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'.