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NPTXR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13143c

Product Information

Application	WB, IHC-P, E
Primary Accession	O95502
Other Accession	NP_055108.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32555
Calculated MW	52846
Antigen Region	180-209

Additional Information

Gene ID	23467
Other Names	Neuronal pentraxin receptor, NPTXR
Target/Specificity	This NPTXR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-209 amino acids from the Central region of human NPTXR.
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	NPTXR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPTXR
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 Membrane; Single-pass type II membrane protein

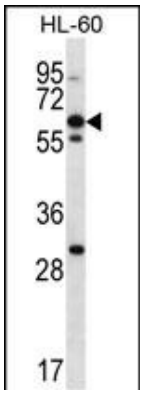
Background

This gene encodes a protein similar to the rat neuronal pentraxin receptor. The rat pentraxin receptor is an integral membrane protein that is thought to mediate neuronal uptake of the snake venom toxin, taipoxin, and its transport into the synapses. Studies in rat indicate that translation of this mRNA initiates at a non-AUG (CUG) codon. This may also be true for mouse and human, based on strong sequence conservation amongst these species.

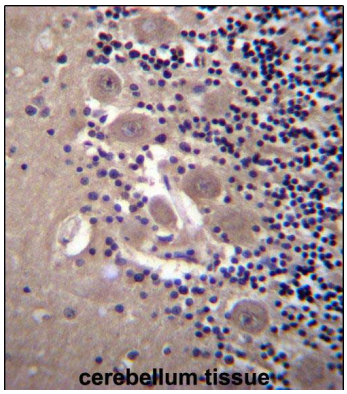
References

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Andersson, K.B., et al. Acta Physiol (Oxf) 186(1):17-27(2006)
Poulsen, T.T., et al. Lung Cancer 50(3):329-337(2005)
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Images



NPTXR Antibody (Center) (Cat. #AP13143c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the NPTXR antibody detected the NPTXR protein (arrow).



NPTXR Antibody (Center) (Cat. #AP13143c)immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NPTXR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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