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NPTX2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2718c

Product Information

Application	IHC-P, WB, E
Primary Accession	P47972
Other Accession	P97738, O70340
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB08971
Calculated MW	47042
Antigen Region	160-189

Additional Information

Gene ID	4885
Other Names	Neuronal pentraxin-2, NP2, Neuronal pentraxin II, NP-II, NPTX2
Target/Specificity	This NPTX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 160-189 amino acids from the Central region of human NPTX2.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
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	NPTX2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPTX2
Function	Likely to play role in the modification of cellular properties that underlie long-term plasticity. Binds to agar matrix in a calcium-dependent manner (By similarity).

Cellular Location	Secreted.
Tissue Location	Brain, pancreas, liver, heart and skeletal muscle. Highest levels are seen in the testis

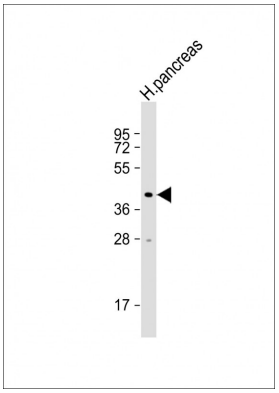
Background

NPTX2 is likely to play a role in the modification of cellular properties that underlie long-term plasticity. It binds to agar matrix in a calcium-dependent manner.

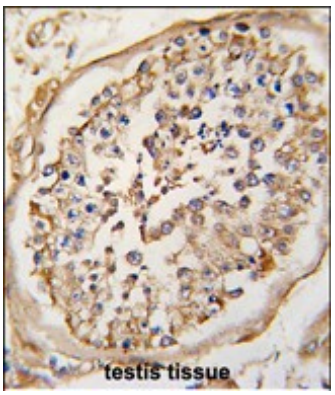
References

Park,J.K., Pancreas 35 (3), E9-E15 (2007)
Marui,T., Prog. Neuropsychopharmacol. Biol. Psychiatry 31 (4), 940-943 (2007)
Kirkpatrick,L.L., J. Biol. Chem. 275 (23), 17786-17792 (2000)
Dodds,D.C., . Biol. Chem. 272 (34), 21488-21494 (1997)
Hsu,Y.C., Genomics 28 (2), 220-227 (1995)

Images



Anti-NPTX2 (Center) at 1:1000 dilution + H. pancreas whole cell 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.



Formalin-fixed and paraffin-embedded human testis tissue reacted with NARP(Nptx2) Antibody (Center) (Cat.#AP2718c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody 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'.